

The Journal of Borderland Research

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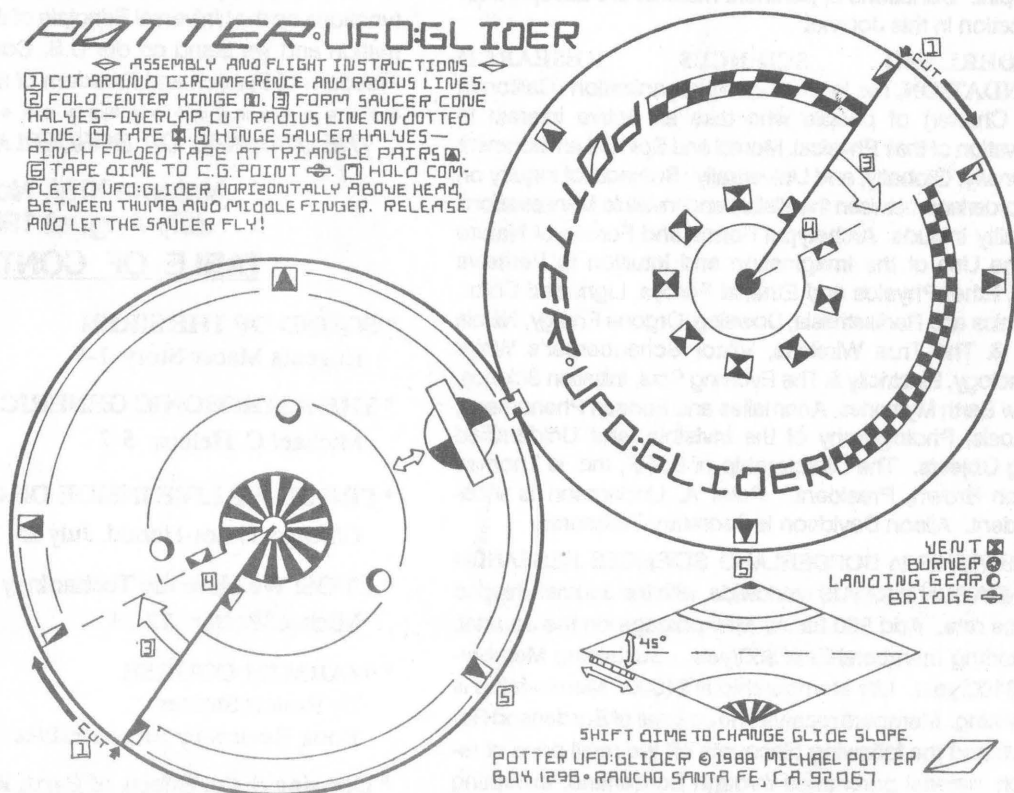
July-August 1989

\$4

POTTER UFO GLIDER

ASSEMBLY AND FLIGHT INSTRUCTIONS

- 1 CUT AROUND CIRCUMFERENCE AND RADIUS LINES.
- 2 FOLD CENTER HINGE (D). 3 FORM SAUCER CONE HALVES—OVERLAP CUT RADIUS LINE ON DOTTED LINE. 4 TAPE (E). 5 HINGE SAUCER HALVES—PINCH FOLDED TAPE AT TRIANGLE PAIRS (A).
- 6 TAPE GIMM TO C.G. POINT (B). 7 HOLD COMPLETED UFO GLIDER HORIZONTALLY ABOVE HEAD, BETWEEN THUMB AND MIDDLE FINGER. RELEASE AND LET THE SAUCER FLY!



SHIFT GIMM TO CHANGE GLIDE SLOPE.
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Build Your Own Flying Saucer
Instructions Inside!

The Journal of Borderland Research



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SOUND OF THE SIREN

A Story of Audible Paranormal Sound

By Eugenia Macer-Story

On Sunday, August 3rd, shortly after noon, I returned from a trip into town to get the N.Y. Times and walked over to my answering machine, to turn off the tape—as usual. As I was reaching for the machine, my son told me: “The answering machine did something funny.”

I looked at the machine, which seemed normal, and then began to switch it off. As I was turning the dial from “answer” to “off”, a peculiar siren-like noise began. I turned the machine sideways, to see whether the various answering gauges were properly set, and then realized that the “siren” sound I was hearing did not come from the machine I was holding.

It seemed to come from the area of the kitchen, where controls for the landlord’s house alarm system was located. I assumed that the alarm system was malfunctioning due to a lightning storm which had occurred the previous night (the alarm system has a history of malfunctioning due to electrical storms) and called the alarm company’s service number.

A serviceman came to the house within a half hour. The loud siren was still blaring. I assumed that he would simply “fix” the alarm system.

I was amazed when he called me in to view the kitchen alarm body, and said grimly: “That’s not our siren. Does the landlord have another alarm system?” Then he activated the actual alarm system, so that I could hear what he meant. For about a minute, there were two sirens blaring in the house. One was the actual alarm system siren which—as demonstrated—is located outside of the house near the back door leading into the kitchen, and the other was an anomalous siren which seemed to be coming from inside the house.

The serviceman searched the area from which the siren seemed to be sounding, but with no luck. The sound seemed to be blaring from a location near the ceiling of the kitchen area, yet there was no alarm device in that location.

With the anomalous “siren” still blaring, the serviceman wrote his brief report: “Responded to alarm problem: audible tone, not our siren, unable to locate,” and then noted that he had also tested the company’s siren, which was functional.

When he left the house the obnoxious “extra” siren was still blaring. It ceased about forty minutes after the serviceman had left, having sounded for about two hours and forty minutes in total. A subsequent check with the

landlord revealed that there was no extra or alternate alarm system in the house. The “siren”, which had seemed at first to be an ordinary electronic malfunction of some sort, was a paranormal effect, literally a “false alarm” from another dimension.

Once having established the fact that the unusual “siren” sound was paranormal, there remained the task of understanding just “why” it had happened. Evidently, someone had phoned only minutes before I returned that Sunday afternoon, and had hung up without leaving a message on my answering tape. It was at the time of this call that my son had noticed a “funny sound” in conjunction with the answering machine.

Possibly, the “meaning” of the anomalous siren sound might lie with the identity of the caller who had hung up only moments before it began. I did a psychic focus on this identity and came up with several images: ancient occult symbols of the female persona accompanied by the specific identity of several people associated with theatrical activities in Greenwich Village who identify themselves as “anarchists”.

It did not take much effort for me to associate these images with my theatrical associate Pamela Mayo, who has an interest in women’s studies and the history of ancient “goddess” figures. Pamela also knows the self-described theatrical “anarchists”.

On Monday I phoned her, described the “siren” incident and asked if she had been the person who reached my answering machine that Sunday at noon and then hung up without leaving a message.

Indeed, a call from Pamela Mayo had preceded the paranormal siren. This news was very interesting, but it did not really “explain” the paranormal siren; it simply increased knowledge about the context in which the siren had occurred.

Pamela has a latent psychic gift, and several times has claimed that unusual objects “appeared” or “disappeared” in context of her experiences with people interested in aspects of the “goddess” mythology and other occult themes. Her deceased uncle, Elton Mayo, was a professor at Harvard University who did psychical research, as well as having an interest in psychological issues related to labor and employment situations.

During a previous psychic reading which I had given for Pamela, her deceased uncle’s spirit had seemed to be present and had seemed to disapprove quite strongly of

the "anarchists" who were connected with the theater where several of my scripts had been presented, and where I was located while giving Pamela the psychic reading. I wondered whether this spirit presence had also caused the "siren" in conjunction with Pamela's call, as a communication or "alert" of some sort.

However, I remembered that about fifteen minutes after the "siren" sound (which had been blaring for over two hours) had stopped, I became suddenly hilarious -- receiving mentally the concept of "false alarm", as if a spirit entity had been playing a practical joke.

There is no way to "prove" for sure the significance of this unusual poltergeist siren. It is true that on the Wednesday evening following the occurrence Pamela Mayo did have a close brush with injury, when a car narrowly missed hitting her and slammed into a car parked across the street from her apartment building. The parked car had a siren burglar alarm which was set off by the collision, and which kept blaring into the early hours of the morning since the owner was not present and no one knew how to turn it off.

It is also true that the particular theatrical context in which Pamela is working at the moment has several questionable aspects, which she has recently discussed with me. In effect, Pamela has been my "warning siren" about several interpersonal situations connected with the avant-garde New York theatrical scene. This includes the situation related to the "anarchists", but is not limited to that situation. The eventual effect which this unusual paranormal "siren" had on my life was simply to re-alert me to the potential of sound as a factor in both psychotronics and traditional metaphysics.

I remembered some of my previous articles which had dealt with the possibility that sound was--at least--a powerful analytical metaphor, useful in dealing with the structural alterations which sometimes occur to matter during psychokinesis, spontaneous combustion and such anomalous macro-events as "UFO landing traces" and the alleged teleportation (apportation) of objects.

Obviously, the previous catalog of phenomena is a "large order" for one article. I do not intend to discuss each of these aspects of physical-paranormal activity in any detail.

I do not intend to propose the idea that an "audible siren" coming from mid-air involved a continuous structural alteration of the atmosphere.

"Audible" sound cannot be experienced by the human ear under normal circumstances, unless there is a structural alteration of the atmosphere on the molecular level. Since a repairman unfamiliar with the "physical situation" in the household also heard the unusual siren quite clearly and wrote up a report of the occurrence for his employer, it cannot be disputed that the sound was actually physically "audible". It was not a group hallucination.

The fact that this poltergeist was literally audible has important implications for those considering such seance phenomena as "bell" sounds and voices which seem to come directly from mid-air. Instead of being wholly "other-worldly" phenomena, perhaps these poltergeist sounds actually do come from mid-air. Some form of intentional "patterning" literally causes the air to vibrate in a coherent manner, creating recognizable sounds of voices, bells or sirens. This is a qualitatively different event than seeming to hear these sounds via an internal process of ESP or group hallucinations.

It is not strictly a "psychological" event, but is a psycho-physical event, in that the material continuum is generating a pattern of exterior signals which have "significance" to the minds of the observers. How does the material continuum come to generate such intelligible sounds, seemingly from "nowhere"?

When the alarm serviceman was searching for the source of the anomalous "siren", he tried first to localize the sound to a certain area of the room, and then searched that area. It did not seem as if the loud sound was "coming from" an area of the kitchen right in the middle of the room near the ceiling. But there was no physical alarm device there, and the landlord does not have an alternate alarm system stored in the attic.

Yet it was interesting that all auditors of the unusual "siren" did zero in on an approximate "location", which was in mid-air at about the level of the ceiling.

Initially, however, the "siren" had seemed to come from the answering machine, in the dining room area, before localizing itself in the center of the kitchen. It is interesting that the sound then did not "travel" or relocate again, but remained in mid-air in the kitchen for about two hours, before suddenly stopping.

In understanding "how" this unusual, sustained sound may have occurred, it is useful to consider the structure of an ordinary microphone. A microphone transduces electrical signals into varying sound pressures which are broadcast via the vibration of a mechanical diaphragm. This same basic transduction paradigm is also used in the receiver of a telephone.

Certain techniques in exploring the directional properties of various acoustical devices use a reverse transduction process to record or film the space pattern of sound intensity generated during the broadcast of sound through a loudspeaker or microphone.

As a microphone equipped with a lightbulb is moved through all points of interest in the sound field of the broadcasting instrument, the camera will record as bright areas those places where the sound is strong, as gray areas those where the sound is weaker, and as black areas those where the sound is weakest.

It is possible that when a paranormal sound seems to come from "mid-air" a form of spatial sound pattern is being transduced into audible vibrations via the mo-

lecular structure of the atmosphere.

This is a direct analogy to the mechanics of a microphone which, when it is broadcasting, transduces electrical signals into the vibrations of a mechanical sound diaphragm. Instead of the microphone apparatus, postulate a naturally-occurring transduction apparatus within the atmosphere. This is operative during precipitation, when changes of temperature and electrical potential in the atmosphere cause a literal structural alteration on the molecular level, producing rain, snow or altered wind conditions.

Thus, it can be seen that the atmosphere is already normally the site of electrical/mechanical transduction. What conditions might implement the meaningful transmission of information via sounds which seem to come from "mid-air", as if generated by an invisible siren?

As Ulysses, the legendary Greek Hero of Homer's Odyssey, might have remarked after tying himself to the mast so that he could resist the Song of the Sirens, while sailing amidst various obstacles in the Mediterranean: "I am in no condition, my friends, to know how the hell they are doing it. I only know that they are doing it, and if I do not resist the temptation to follow up this investigation, my ship will be dashed in the rocks".

Along with F. Schliemann, who found the site of ancient Troy by taking Virgil's Aeneid literally, I believe that many of the "mythological" events related in ancient epics are not sheer invention, but have a basis in reality.

I have not forgotten that when I did my original psychic reachout which correctly identified Pamela Mayo as the caller who had hung up the phone just before the

paranormal siren began I did see ancient "occult" symbols which are used to identify the various personifications of the "female force" in nature.

Poet Robert Graves in his famous study of hidden mythological references called this force "The White Goddess", and identified this aspect of the supernatural with "a creative goddess banned by Christian theologians almost two thousand years ago".

I looked up the word "siren" in Graves' book The White Goddess and found not a reference to Ulysses, but a reference to the Book of Enoch, an apocryphal manuscript dug up at Akhim in Egypt in 1886 and also found in Ethiopian translations of earlier Greek texts.

According to the Book of Enoch, "sirens" are women who have been seduced by "angels" who take on many different forms, and lead the unwary into sacrificing to demons.

Is there any parallel between the "siren" which caused the paranormal "false alarm" in my house and the mythological "Song of the Sirens",

which is basically a sweet temptation toward destruction?

On the superficial level: yes, there is a slight parallel. Being strictly materialistic for a brief moment, it is possible to see that the "siren" sound has already cost me money and time.

There was a service bill as a result of summoning the alarm repairman, who found nothing he could understand or repair. There were long distance telephone bills as a result of reporting this anomalous siren and checking with Pamela Mayo about her situation, and there was time taken up in listening for over two hours to the

STATEMENT		
REST ASSURED ALARM SYSTEM, INC. 39 John Street KINGSTON, NEW YORK 12401 (914) 338-1266		
Iona Ginsburg Woodstock, NY 12498		
TERMS: PLEASE DETACH AND RETURN WITH YOUR REMITTANCE		
DATE	CHARGES AND CREDITS	BALANCE
8/3	Inv. 4464	
	BALANCE FORWARD	
	Responded to alarm problem: Audible tone, not our siren, unable to locate. Tested system: Outdoor siren functional, code received at our office at approx. 2:05 p.m.	40.00
	Tax:	2.80
		42.80
REST ASSURED ALARM SYSTEM, INC.		Thank You
		PAY LAST AMOUNT IN THIS COLUMN

anomalous siren, and then trying—by metaphysical and other means—to understand it.

The “sweet temptation” in this situation is to assume that this was a benign “false alarm” which will then conveniently provide meat for analysis by psychical researchers. Actually, on the Wednesday following this “siren” event, Pamela Mayo (who had phoned the answering machine just before the poltergeist event began) was both followed on the street by an obnoxious person on her way home from visiting a friend, and then nearly hit by a car as she attempted to elude the man who was threatening her.

As mentioned, it was subsequent to this near-injury that the car avoiding collision with Pamela slammed into a parked car and set off a car alarm siren.

Returning now to technical considerations, it is difficult to comprehend how such a gestalt of various potential “meanings” for the siren could have “caused” the atmosphere to manifest a sustained, audible siren sound for over two hours—three days previous to Pamela’s experience with the actual car alarm siren.

It is obvious that “what is occurring” when a poltergeist sound manifests from mid-air is a process of mechanical/electrical transduction on the molecular level; what is not obvious is “how” this process occurs in response to intent, cause or “meaning”.

The fact that such an anomalous poltergeist effect occasionally does occur, causing various surprise meanings to be inferred from it, indicates that such an effect may be an extraordinary attempt to communicate by “breaking through” the normal constraints of the material, electromagnetically-controlled continuum.

Researchers such as Nandor Fodor and W.A. Roll have documented cases of poltergeist adolescents which involve the generation of disruptive psychokinetic phenomena in situations which prohibit the normal expression of sexual, aggressive or ambitious feelings.

The siren described in this article does not seem to fit into this situational poltergeist paradigm simply because—although it was preceded by my teenaged son’s comment that the answering machine had done something weird—it is an isolated event, and not part of a larger pattern of poltergeist occurrences.

Possibly, it was an attempt to “break through” from another continuum with the communication that Pamela Mayo was in potential danger, as did occur in the situation of the near-assault the following Wednesday night.

If this particular paranormal siren, true to its Anglo/Greek name association with ancient “sirens”, was a warning of danger it was not successful, because at the time it occurred nobody could figure out what it meant.

This uncertainty as to “meaning” is a characteristic of certain apparitions as well. It is possible to document “that” they have occurred—because they have been witnessed or photographed—but “why” they have occurred

is subject of multiple interpretations.

This may be a clue as to the type of literal transduction process involved in initiating such paranormal phenomena. What is specific “meaning”? A meaning is a match between some event or symbol and a learned significance. Usually the context of event or symbol will be the guiding clue for our memory to apply a previously learned paradigm to any new experience, so that it “means” something. When there is multiple meaning to an event, this may mean that the context of the event is unprecedented and so the normal mental process which matches present occurrence to learned paradigm will not be able to work in its usual one-to-one fashion.

If a warning, for example, concerns an event which will occur in the future, that warning may not be fully understood in the present because the catastrophe it indicates has not yet occurred. This is the classic dilemma of the oracle, which is represented in the legend of Oedipus Rex. The tragic prophecy is understood, but not the specific context of the prophecy—so that attempts to avert the predicted negative event actually cause the tragedy to occur.

Perhaps it is fortunate, then, that none of us understood the warning connected to Pamela Mayo’s destiny until after the near-tragedy had occurred—because she was not harmed.

Technically, such poltergeist echoing of the future within the present implies a non-sequential mode of coding meaningful information, which is then somehow transduced into the electromagnetic continuum.

Because the original coding of “meaning” is non-sequential it can easily be understood that the material product of these communications—like a cubist painting—may emerge in a way which is non-logical or skewed. Perhaps, in coming to a more technical understanding of poltergeist occurrences, it would be helpful to postulate the energy of mind as an energy of “pattern”, rather than as an energy of “pulse”, as in the molecular electromagnetic structure.

This concept of “pattern” is used in all ancient systems of meditation which deal with the actualization of mental energies within the material continuum. As one basic example, the word OM is envisioned as a basic sound which interpenetrates and unifies the entire structure of the universe, within the psyche of the person who chants OM.

There are innumerable proliferations of this basic concept—within a variety of ancient traditions—but all describe a manipulation of sound and color patterns to facilitate mediation and the actualization of positive destiny by a process of “creative visualization”.

The manipulation of visual mandala patterns has been studied by numerous psychologists, and further study should progress into the use of sound patterns to implement ESP and PK events.

The Astrosonic Generic Tapes

by Michael C. Heleus

In response to the large amount of interest generated in the Astrosonics work of Michael Heleus, from the interview with him published in the Jan-Feb 1989 Journal of Borderland Research, we are running these descriptions of the actual Astrosonic sounds.

As the name implies, these tapes of cosmic sounds can be heard to advantage by anyone, whether they have worked with personalized astrosonics taken from their own astrological chart or not. If one has so worked, then the results with the generics are deeper and more lasting, since there is less personal difficulty in the way of their assimilation. Nevertheless, a good deal of benefit can be had from these generic sounds by anyone prepared to make the effort to stay present through any discomfort the sound brings on. Generally, the discomfort will intensify at first, then fade and vanish, usually not return, whether triggered by the sound or an in-life stimulus. As far as known, the sounds are neutral, and only remind us of ourselves.

The purpose of hearing these sounds is to get back in touch with natural inner vibrations which have become obscured by life conditionings, errors, and traumas.

The sounds should be heard by themselves without distraction first, and preferably, though they can be used for background once one has come to be comfortable with them. If listening alone, or from a walkman, hearing these in the right ear is preferable. It is also a good idea to keep the eyes closed while listening in order to catch visual displays that often arise.

The USA 7/4/1776

Declaration of Independence

Sun-Venus-Jupiter Conjunction Chord

This chord was taken from the chart for the signing of the Declaration of Independence, and was first realized in 1976 just in time for the U.S. Bicentennial. J. G. Bennett of England had suggested a group chord for some positive event marking an advancement for humanity. Since Francis Bacon had intended to found the U.S. as a new Atlantis, a philosophical kingdom, and had the cooperation of the Masons for his project, a time was chosen by him to launch the U.S. -- an alignment of Sun, Venus, Earth, Jupiter, and the star Sirius. In astrology, these bodies are considered "benefice", and in terms of what the chord can do, this is well taken. The combination represents what is best philosophically, abundantly, and peacefully about the U.S. -- and it also goes for all other times that have this very beneficial combination of vibrations. Sun-Venus relaxes, Sun-Jupiter levitates and expands, and Venus-Jupiter is joyous and sublime.

The chord can produce relief from head and backaches, out-of-body experiences, environmental calming and cleansing. With inner sight, depending on the degree of relaxation, the colors that come are usually violet spirals, or a combination of gold spheres, turquoise vortices, and emerald green paisleys, for the Sun, Venus, and Jupiter, respectively. Some people have also seen the akashic record scene of the actual signing of the Declaration.

The Chakra Balance Chord

While all the generics can be said to be balancing in some way, this one specializes in vertical balancing, referred to the human body. The chord comes about since the seven main energy foci or chakras each are activated by the motion of one of the seven visible principal orbs of the solar system. The chord consists of four notes, the lowest activating the first two chakras, having to do with Saturn and Jupiter, respectively; the next note up represents the motion of Venus going to the heart chakra: the third relates to the brow and brings in the Moon and Mars, activating the throat and solar plexus areas. This chord aligns, since these notes are near octaves of each other by design of the solar system, and we are aligned top to bottom by hearing octaves of a note. On hearing this, people tend to sit or stand straighter -- anger tends to get processed out or fade, and some persons have passed in awareness into Clear Light at the brow center with this, as the barriers were transcended. Others have found it an invaluable aid to chiropractic treatment.

The Solar Phi Chord

This chord has three notes, the middle one activating the Crown chakra and having a wavelength in air at room temperature that stimulates flow of the life energy. The other two notes are centered on the first, and buttress it with a relationship based on the Golden Section, the number of magical balance on which volumes have been written, and will be written. The effect of hearing it is to have the left and right energy pathways in the body balanced to a degree, which most people notice right away as a clearing in the nose and sinuses. So it is helpful at the onset of a cold. Also, it has been noted as effective in removing headaches due to right/left imbal-

ance. Others get inner color vision stimulated. In a few cases, people have found awareness shifts thru the solar plexus down to the center of the earth, and later, the sun, quite a cosmically aligning process. If one feels beside oneself, or dizzy and off balance on hearing it, this is evidence of how far out the hearer has been. This will pass, and a new sense of focus, balance and left/right coordination ensues.

The 15-Note Solar Scale

This starts out with a note that tends to activate the solar plexus, and while this continues, 15 equal tempered notes ascend a scale which activates the areas up to the top of the head in order, ending with the Crown center. This scale is designed to balance the circular and straight in our natures. The tone quality is based on the waveform of all prime numbers, so it tends to balance all harmonics and vibrations at once. Seen with inner sight, this tends to produce a rainbow shot through with gold, and tending to produce an overall aura that is white, violet, and tinged with pink. As exposure time is lengthened, energizing takes place so that there is a definite reduction in fatigue and need for sleep. When a critical threshold is passed, one can sleep with this chord, and the sleep is deeper and better than without it. The effect is like coffee without caffeine after effects. Medium to long hearing produce relief of neck and shoulder muscle tension, and the sound finally settles in the heart chakra area.

The Keplerian Portamenti of the Planets

This sequence was adapted from the work of Yale professors Willie Ruff and John Rodgers, who explicitly followed Kepler's instructions for a planetary music of the spheres, letting Saturn be the lowest note of the gamut of those days, G. This arbitrary choice cost him most of the positive astrosonic effects the sequence would otherwise have had. Seeing this, it was retuned by Michael Heleus and colleagues in 1980 so that the astrosonic octave shift was respected, and it could be felt to slide into the right resonant groove. Furthermore, while the sequence pulls one through the akashic record of 1571 to 1811, and many persons have died in the wars of those eras, it is found that great anger passes out on hearing this. In fact, those with sufficient anger to grind their jaws subliminally also have found relief with this sound. Along with the Chakra Balance Chord, it is a good anger processor.

The Rydberg-Phi Progression

This progression was developed as the result of study of spectroscopy, nuclear physics, music theory of microtonal scales, and the Golden Section. It is based on a cosmic average frequency, and so transcends the purely local solar system immediately. The sequence is a musi-

cal palindrome based on the Golden Section, which can gradually bring one an increased awareness of refined symmetries and balances. Here is one of the finest past trauma and pain processors yet to arise from astrosonics studies. Attention is optimally randomized, allowing one the inner maneuvering space to at last temporarily detach from the fixations of the here and now. Those in physical pain are usually helped greatly, even in cases of otherwise intractable back and muscle pain. Psychological pain also succumbs to this. Along with the Chakra Balance Chord, and the USA Chord, it makes a fine preparation for chiropractic treatment, or other body work. It can also act as a cosmic truce flag, and opposites within and without one can be related more amicably. In that state, bad habits are more easily overcome.

The Astrosonic Solar Platonic Solids

With these chords, the basic kinds of order in the universe can now be directly heard and experienced. The basic inner bodies, called Koshas in Vedic terminology, can now be readily attuned to and strengthened. The shapes can be readily perceived in inner space by many, since the sound creates a nested lattice of them in outer space. Often, a sphere of light appears, and then one element of a surface can be made out, and gradually the whole emerges, usually nested with others of its kind; the whole may rotate at first, but this will slow and stop--given sufficient attention. Sometimes the energy flows associated with the solid appears, or even its geometric, dual, and sometimes, personal symbolism. Since the equal edges of all these solids are tuned to a sacred cubit, or life-energy wavelength, the color of the shapes tends to be white, or a gold to brassy shade. The effect of protracted hearing is a sharpening of mental faculties, and some types of ESP, particularly intuition, precognition, and telepathy. The dream state is improved, cleared up, and dreams may be more readily remembered. More intense colors and integrated themes are often noted, especially when the sequence of phi-progression, solar phi chord, and solids--in that order--has been played repeatedly. In the waking state there is a sense of coordination coming from within out, not a superficially imposed unstable order. These can be played with a walkman or auto-reverse deck at a comfortable volume while sleeping to aid the dream state, or used with a floatation tank to advantage. Memory retention and mental facility are increased so these Chords can be played as an aid while studying. Artistic and musical creativity is also enhanced.

The Tetrahedron - This three-sided pyramid chord brings attention to the center of the head, the "third ear", for many. It can also create a sensation of warmth, lending credence to the notion of the ancient Greeks that this solid represented the Fire element.

The Hexahedron or Cube - We are so saturated with visions of this in the environment that it may take longer for its unique character to emerge. Some people see a red figure-eight with this -- an associated energy flow, like a u-joint. For most, the root chakra, and sometimes heart area are the usual localizations.

The Octahedron - Like two square pyramids put together at the base, this chord can work with the mental body, affecting usually the heart or brow area the most. Again, a reddish figure-eight flow is commonly seen with it. This chord may help with conscious out-of-body travels.

The Dodecahedron - This is produced from twelve pentagons put together to enclose a roughly spherical space. Hearing the chord tends to balance the acupuncture meridians, and the feminine archetype, like Prakriti, or Shakti. It tends to localize in the head or throat area, either left/right with respect to its dual, the icosahedron chord, or up/down. This one helps receptivity and concentration in meditation.

The Icosahedron - this shape results when twenty equilateral triangles are put together to enclose a space, like a Bucky Fuller dome. Hearing it brings a balance of the overall aura. It has been said to have a vibration similar to a perfect spiritual master. It projects a yang, or masculine feeling, balancing male gender impulses. It can help in conscious out-of-body work. With this chord, and the preceding one, attention can be drawn out through the brow center into the Clear Light. Some have felt a spiralling pathway open up that led them to initiation with inner teachers. This is more focused than the similar effect from the Chakra Balance Chord.

Effects Noted From the Astrosonic Moon Towards the Tao Progression

This tape is the Moon and Moon to Outer Planets Towards the Tao Progression. This is no picnic, at first anyway, but the results have sure been worth it -- greatly increased freedom from emotional dependency trips, especially those complicated by chemical addictions. I noted some stuffiness as some grief passed, then hot flashes as in early intoxication, followed by pains in the ears, left especially, as remaining miasmatic links to lower astral stuff blew. Then, hours later into it, liver spasms and pains as the trauma of a drunk lifetime passed. Then there were itches in the palms and soles of the feet -- a sensation I have come to find means the mind is passing

out drug miasms. The tape gradually teaches the mind how to find a middle ground on emotional issues, strengthening it to the point that when I have been around persons with alcohol/drug miasm in their auras, I tend to process it out of mine, and this is accelerated by hearing that tape afterwards. It has been amazing to see how those who grew up around alcoholic parents have been regaining their emotional poise, independence (or rather, more balanced interdependence), ability to really say what they feel, and cease to be doormats for others, while not becoming overbearing either. Further, others to whom they were karmically tied either started to come forward, on the inner at least, and began to clean up their act, or bounced off if they couldn't or wouldn't. I surmise this side of the tape won't be very comfortable at first, but if you are willing to spend time with it daily over a matter of weeks, the inner and outer situation will be much different. You may even like it. I implore you to dig into this one!!

For more information on personal Astrosonics work and ordering info for the Astrosonic Generic Tapes contact:

Michael C. Heleus
Harmonic Philosopher
160 Washington SE, #167
Albuquerque, NM 87108
(505) 865-3169

A video of Michael Heleus describing his work with charts and diagrams, and demonstrating his Astrosonic sounds is available from BSRF. Astrosonics uses sound and light to represent the structure of the cosmos in personal settings. Astrosonics is the term used to describe the rendering of an astrological chart as sound and its effects. The meaning of the aspects or planetary angles in a natal chart can be directly experienced as sound. Astrosonics provides the sounds of the planets at your moment of birth. This video is a presentation on the structure of the universe and the relationship of its energies to the sentient lifeforms within it. Order: **ASTROSONICS** by M.C. Heleus, 62 minutes, color, VHS format. \$39.95 plus \$3 P&H. Californians add 6% state sales tax. From : BSRF, Box 429, Garberville CA 95440



Proof that we Live Inside of the Globe

Koreshans' Startling Claim That Their Theory Is Demonstrated by Experiments and Surveys *Scientific Revolution to Follow.*

from Chicago Sunday Times-Herald, July 25, 1897

Advocates of the theory that we are living on the inside of a hollow shell 8,000 miles in diameter, instead of on the outside of a convex globe now claim to be able to satisfy all who have asked for proof of the correctness of the theory. This strange astronomical system known as the Koreshan astronomy or the cellular cosmogony was originated and founded by Dr. Cyrus R. Teed of Chicago, and during the past twenty-five years has succeeded in making a large number of converts to the belief that all the popular theories concerning the character of the universe are fallacious, resulting from the failure to properly interpret observations of the most common phenomena of the heavens and the scope of our horizon. In the promulgation of the Koreshan system the discussion of the shape of the earth is revived: it is the most radical departure from the usual theories known to the world today—it is a complete antithesis. Consequently the methods pursued in the new cosmogony and the conclusions reached therefrom are decidedly revolutionary.

With the entire system reduced to a pivotal and specific test, and with the plans for making that test, a company of experimenters were sent on an expedition last December to Naples, Fla. where there is a straight coast for a number of miles, to practically apply the principles of the newly discovered means of testing the earth's contour. The work of the experimenting staff of the Koreshan theory is of interest to all from the simple fact that never before in the history of the world has such a geodetic work been executed. Whatever might be thought of the results of the series of surveys made on the Florida coast, the one fact remains that at least the plan is unique and original, seemingly embodying a number of simple geometrical principles which have been for some reason entirely overlooked in the usual lines of scientific research and geodetic survey.

The experiments and survey on the gulf coast were under the direction of Professor U.G. Morrow of Chicago, who has from time to time supplied The Times-Herald with a report of the facts observed and results obtained, and now gives a final summary of the results of his investigations, which if accepted will revolutionize science.

Propositions of the Koreshans

The main question involved constituting the basis of operations in the new geodesy is: Will an absolutely straight line surveyed in two directions from the vertical

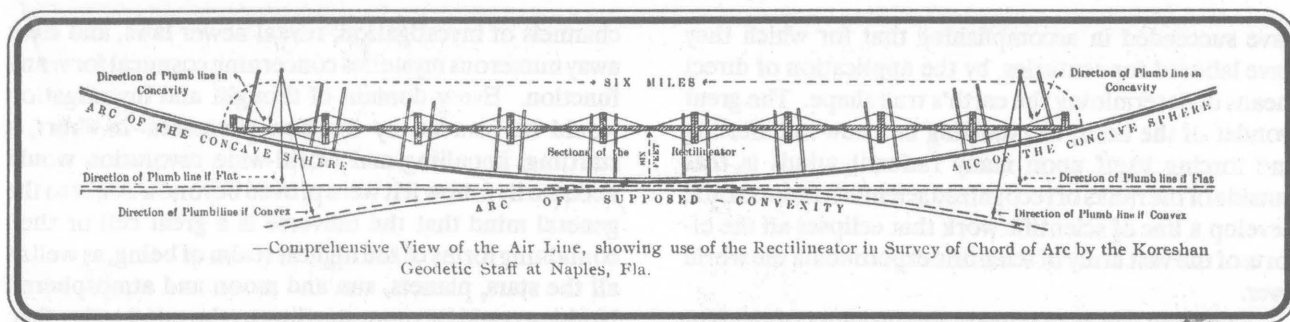
point of a perpendicular, and at right angles to that perpendicular, extend into space, the earth curvating away from that line, or will the lines converge to the water's surface at two points like the chord of a concave arc? It is claimed that this is the most direct means possible for determining whether the earth is rounded or convexed at its surface, or concaved as the inside of a hollow sphere, and if the experimenters have correctly applied the principles involved they have succeeded in making the first direct test of the character of the surface upon which we live.

On account of atmospheric refraction, the rays of light and vision are bent out of the true rectilinear direction, and consequently cannot be employed as a practical test. The apparatus used, called the rectilineator, is a mechanical contrivance for the purpose of forcing a straight line. The whole plan of the survey is clearly illustrated in the accompanying diagram, which explains itself. The survey began with the apparatus at an altitude of ten feet above the water's surface, making the basis of the figure eight miles instead of six, as first proposed.

If the earth curves convexly at the ratio of eight inches to the mile, in four miles from the middle of the straight line chord or from the given perpendicular, the surveyed line would be twenty feet from the convex arc—the line would be that distance above the water at the end of the survey. On the other hand, if the earth curves concavely, as the Koreshans claim, the line would come in contact with the water. Their object was to demonstrate that the line would "run into the water." They declare that the line surveyed on the gulf coast terminated in accordance with their expectations, in the water at the distance of four miles from the given perpendicular.

How the Surveys Were Made

Along the line surveyed were fixed stakes every eighth of a mile upon which the altitude of the "air line" was registered as the survey progressed in order that measurements might be made, and afterward referred to, of the distance of the line above the water's surface. In this way it was proposed to determine whether or not the line approached the surface at the proper ratio, and the claim is made that upon no other kind of a surface than the concave could such relations and figures be observed and obtained, the lines approaching the surface in about the ratio of the calculated concave curvature. At the end of the first mile the "air line" was eight



inches nearer the surface than at the beginning; second mile, about thirty-two inches; third mile, six feet, while at the end of four miles the line came in contact with water. Also at every eighth of a mile the ratio was along the same lines of progression. The results for even miles showing the aggregate result for the measured altitude of the line for the stations intervening. From these figures it may be seen that the ratio of concavity determined by these measurements very closely approaches the estimated curvature of eight inches to the mile. The ratio of descent of the line, the increases in the angles of deviation from the horizontal at stations of test with the levels, the length of the line surveyed from the beginning to point of extension into the water, as well as the direction of the plumb line at the various points, in consideration of the principles involved and the apparatus employed, all declare, it is claimed, the fact of the earth's concavity.

Scientists Challenged to Open Contest

It can easily be imagined what an impetus such scientific tests would give to a system if they were true. If it were admitted that the results of this survey so definitely define the direction of the earth's curvature as to entitle them to credence by the scientific world, the Koreshans would have a weight of evidence that would render that position impregnable. The future will reveal the validity or the fallacy of their claims, and judging from the line of work planned by the scientists of the new school they are not anticipating leaving the field to the criticism of the scientific world. Upon the strength of the results of the work of the expedition the founder of the system issues a general challenge to meet the advocates of the prevailing system, not merely in discussion, but in open contest upon the field of operations and experimentation. Corroborative of the results of the unique surveys, they claim to have a long line of facts of observation upon the surface of water itself, and the force of visible and tangible facts must be admitted to possess more weight with the people in general than platform arguments.

Concerning their attitudes toward the leaders of modern scientific thought, Professor Morrow says: "If the scientific men of the world today are as willing to test the truth of our propositions and results of our geodetic

work as we are to meet them is demonstration of the premise of the Koreshan system, no difficulty will be experienced in speedily settling the question. We hereby extend to them the opportunity of demonstrating the earth's convexity and to destroy our premises or to establish the basis of the Koreshan cosmogony, and thus overthrow all conclusions of modern science. In this we are not clamoring for dispute, but inviting an impartial test of the facts.

Easily Susceptible in Decision

"There is not another issue before the world today in which the principles can be so specifically stated and pivoted upon one point of test, nor so susceptible of absolute decision, as this one concerning the concavity of the earth; because the water's surface cannot be changed, and no method of solving the question is so obviously certain as the one formulated in the Koreshan system, the results of which are now proclaimed to the world. We have employed a unique apparatus in the survey of an air line terminating into the water's surface as we proposed and anticipated before undertaking the survey. We employed a process of extension of a right line concerning which there can be no question. We eliminated the elements of refraction of light and incurvation of visual lines, as well as the effect of perspective foreshortening, by mechanically forcing a straight line, and thus settled the matter beyond dispute. The work was laborious, requiring much time and patience as yet the scientists have not been forcibly made aware of the weight of the evidence obtained. We were confident in the beginning of our work and from consideration of the principles involved and the results which would inevitably follow, that we were projecting the greatest and most important geodetic survey of the nineteenth century.

"The importance of an undertaking is always measured by its ultimate results. On such a basis, we place the importance of our geodetic survey over against all the efforts of scientific men to determine the earth's shape, with all their appliances and apparatus of the very finest workmanship. We are not discrediting the geodetic work of the world: such efforts have their value, but the sequel proves that they are not of paramount importance. We are simply comparing success with failure—we

have succeeded in accomplishing that for which they have labored for centuries, by the application of direct means of determining the earth's true shape. The great wonder of the hour, the startling fact now manifesting and forcing itself upon many rational minds is that outside of the ranks of recognized scientists there should develop a line of scientific work that eclipses all the efforts of the vast army of scientific experiments the world over.

"Nothing can now impede the progress of the Koreshan system: It is invincible. The world cannot long withstand the forces of the absolute truth, having for its foundation the indisputable facts of the greatest discovery of modern times. The facts we have observed and the lines we have surveyed demonstrating the earth's true form, are susceptible to test. We challenge contradictions, but our challenge will have to be answered upon the field of contest in the many lines of experimentation through which we have observed the facts we announce to the world."

A Great Revolution Would Result

The Koreshan scientists have taken the question out of the realm of discussion concerning various astronomical and cosmographical phenomena and placed it at least in an effort at demonstration. They claim that if the earth is really concave it places the usual explanation of the character of the orbs above the movements of the sun, moon and stars entirely on the side of absurdity, and the habitation of the planets impossible, because in such case, all phenomena would have to be interpreted in accordance with the ground or foundation from which astronomical calculations are made--the arc of the earth's curvature. It can readily be seen that if that arc should be concave instead of convex, the immense distances attributed to the planets and other heavenly bodies would have to be set aside and the stars brought to within a comparatively short distance above the concave arc.

It may be asked, what is the difference if the world is concave--in what way does it interest the public? In the event of success on the part of Koreshanity, many popular theories would be revolutionized. No other system ever put forth in the world has affected such decidedly radical changes in the channels of human thought and life as would result from general acceptance of the premise of the hollow globe theory and its resultant conclusions. It would turn the scientific mind into newer

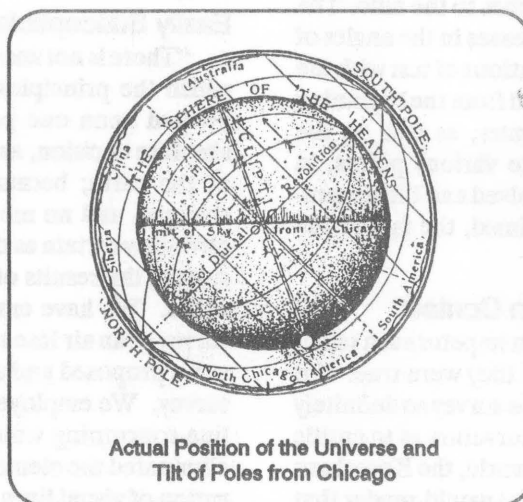
channels of investigation, reveal newer laws, and clear away numerous mysteries concerning cosmical form and function. Every domain of thought and investigation would be invaded by the new processes--in short, a startling, appalling and world-wide revolution would necessarily follow if it were proved beyond a doubt to the general mind that the universe is a great cell or shell containing forms of the highest realm of being, as well as all the stars, planets, sun and moon and atmospheres. Nothing could be more startling to the mind today than a vivid conception that the laws of universal existence and perpetuity have been discovered and all mysteries of the universe revealed through the knowledge of the earth's form and the relation of all its parts.

Koreshan Science and Theology

How would it affect the popular theology--what has astronomy to do with a concept of the Creator? All through the ages past astronomy and theology have gone hand in hand. All systems of theology have undertaken to incorporate an idea of creation and consequently the nature and extent of that which has been created. Wherever changes have been made in general astronomical systems they have resulted in changing the popular beliefs concerning theology and the processes by which the world was created and its existence maintained. The Koreshans say that if we admit for a moment that the modern scientific theories are untrue the conclusion is inevitable that to whatever extent the teachers of theology have been influenced by a false scientific

theory, to that extent they have been led astray concerning the Creator; in such case they would understand neither the Creator nor his works. The influence of the prevailing system of science has been universal. Perhaps no one has attempted to form a mental picture of the remote habitation of deity which the usual astronomical theory imposes without attempting to form some idea as to distance--the mind has endeavored to reach out into infinite space to touch the heart of the Creator, it has wandered into a great circumference of space. Koreshans maintain that God is the center and heart of creation instead of being its circumference.

Thus it would seem that the popular idea of God has been largely influenced by the prevailing theories concerning the immensity of the universe and the infinity of space. If the concept of the universe be so radically modified and revolutionized as to maintain the limita-



tion of the universe to the dimension of 8,000 miles diameter, it is obvious that a corresponding change of concept of the Almighty must necessarily follow. Because of this Koreshans say that their system of science and their theology are inseparably connected and related — that in the discovery of the fact of the cellular form of the universe there has come to the world a definite knowledge of the laws of creation and consequently the laws of perpetuity of not only the universe as the effect of causes, but, also the means of existence of that cause. It is claimed that the physical universe is the natural and outermost expression of the divine mind, and that if the natural universe and its laws are understood they unmistakably indicate the character of the mind which expresses it.

Koreshans attempt to explain the great mystery of Deity scientifically. Hence the claim that the scientific theory of Koreshanity is the foundation or basis of its religion, which is claimed to be the revival of the primitive Christian system as it was taught prior to the declension and apostasy of the church. Koreshans claim to defend the Bible — that the Bible teaches that the world is a hollow sphere, the outermost metallic strata being the “firmament” of the old Testament — and that the Bible is scientifically correct in all its expressions. They hold that in the demonstration of the earth’s concavity the inspiration of the scriptures is scientifically proved and demonstrated. They teach that the two great forms of expression of the mind of the Almighty — nature and the Bible — are to be read in harmony, because originating in the same divine mind. The argument is that nature is the result of cause, and is true — a true and tangible index to all knowledge of all life in all domains of the universe.

Scientific men are yet on the voyage of discovery and research, from which it follows that they have not yet definitely located the secret of the great cause of existence, nor yet satisfactorily explained the real purpose of the world. The founder of the Koreshan theory claims to have discovered that for which the thinking world is looking. If the leaders of the prevailing theories could be induced to critically examine the claims to such a discovery, or to come in contact with its advocates in open field of contest, so that a definite and satisfactory test could be made of the facts, as embraced in the possible determination as to which way the earth curves, it would undoubtedly reveal that either the scientists of today are greatly mistaken or that the Koreshans are promulgat-

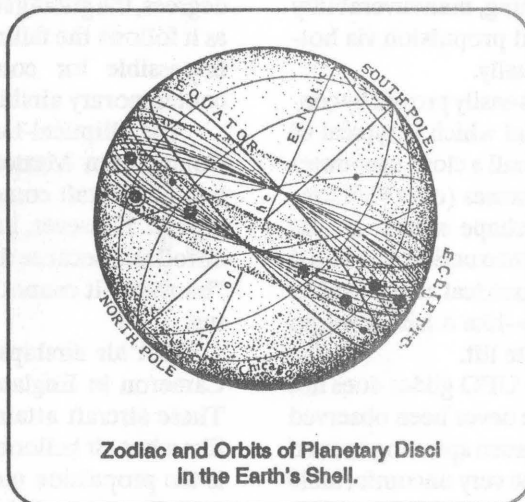
ing the rankest and most absurd fallacy of modern times.

What Benefits Would Follow?

What is claimed to be the benefits to be derived to humanity through acceptance of such a system? It is one of the doctrines of Dr. Teed, its founder, that there is not a law in the universe that man cannot apply to himself when understood; that man is a microcosm, or small world, involving the functions of the world at large, and that to the extent that we mistake or apprehend what are the laws of the universe we fail to apply them. That when man can comprehend what are the laws and principles of universal construction and perpetuity he can adjust himself to universal being and become immortal. Man is held to be mortal and that he will continue to be so until he has so applied and fulfilled immutable laws as to overcome death and perfect himself mentally, spiritually and physically. The very kernel of the system seems to be the claim to the discovery of the long sought for “philosopher’s stone,” the science of transmutation, which is looked upon as the key to all knowledge.

In accordance with this promise, a great system of organic unity of human and divine cooperation is hoped for by the adherents to the Koreshan views. The laws of universal existence are sought to be applied to human affairs in the definition of the true science of government and political economy — it is claimed to be the beginning of the supreme theocracy expected by all Christians to be made manifest in what is termed the “second advent,” and hence, the man originating system of Koreshanity

has some personal claims as to knowledge of divine law, and consequently a mission to perform in the world looking to the establishment of a system of salvation of humanity from the present conditions of evil and mortality through the institution of a new order of life, an organic system correspondingly fashioned after the general universal order of the great cellular form which is held to incorporate all there is. Koreshans say many people have misunderstood the claims of Dr. Cyrus Teed. His system is intricate, necessitating study and investigation to comprehend his mission: it is insisted by his followers that his claims are the rational claims of the true scientist. Those who have been engaged in the work of scientific experimentation hold that in the practical proofs of the correctness of the Koreshan cosmogony all the scientific, religious, ethical and economical principles of the entire system are conclusively demonstrated to be true.



Zodiac and Orbits of Planetary Disc
in the Earth's Shell.

UFOs: We Have the Technology

by Michael Potter

UFOs may be scout craft from an interstellar mother-ship. UFOs may have come here through a "door" from another dimension or from a hidden location somewhere on Earth, within the Earth or from under the sea. But there is a common denominator: most UFOs appear to be aircraft rather than spacecraft.

This article is an attempt to explain observed UFO maneuverability in accord with current aviation technology. It doesn't prove that this is how UFOs fly, but it does present a strong case of how some saucers could fly. By using known techniques in a different manner, this theoretical saucer would in many ways be superior to our present day aircraft.

Basically this theory combines several aviation technologies: flight via the aerodynamic shape of the UFO, high speeds achieved through gliding, maneuverability by means of an internal ballast and propulsion via hot-air lift. Let's look at each individually.

UFOs are aerodynamic. This is easily proved by constructing the included paper model which is typical of most close encounters. (If we can call a close encounter "typical") Most flying saucer witnesses (over 95%) report an asymmetrical lenticular shape similar to the UFO glider model. (For ease of construction the model has been modified to two asymmetrical cones rather than shells.) This half-lens shape--like a frisbee--is an airfoil and when flown it will create lift.

However, unlike a frisbee, the UFO glider does not need to be spun to fly. UFOs have never been observed to spin, although energy has been seen spinning around them. (A spinning saucer would be very uncomfortable for the occupants, to say the least.) Simply hold the UFO glider horizontally between thumb and middle finger and release with a slight push. It will fly in the direction of the coin.

If your UFO glider is flown from a height of several feet (like a stairway or balcony) it will glide down until it picks up enough speed to lift, at which point it will stall and then glide down repeating this skipping motion until it lands. This skipping motion was first described by Ken Arnold - the man who coined the term "flying saucer." In 1947, Ken was flying his small plane over a mountainous area when he spotted a group of UFOs. He said "They flew like a saucer would if you skipped it across the water."

If you find it hard to believe that a glider can obtain the rapid UFO speeds that have been witnessed, remember this; the fastest aircraft in existence is a glider--the U.S. Space Shuttle in landing mode.

Circular aircraft are certainly not new. Before the 1947 UFO flap there was a round airplane called the

"U.S. Flying Flapjack" and the Russians experimented with a similar craft. What was different about these airplanes is that they had propellers, tails and elevators. A theory must take into account that UFOs have no visible means of guidance or propulsion. Again we return to our model for an explanation.

The UFO glider's center of gravity--the coin--is its means of guidance. The saucer "follows" the weight of the falling coin. If the coin is shifted to the center of the lower dome the UFO glider will descend vertically.

Now imagine replacing the rim coin with an internal mechanical ballast. In fact, a shifting ballast is the method blimps use to navigate. However, unlike a blimp, any part of the saucer's rim can be in front. If the ballast is quickly moved around the saucer's rim 90 degrees, the gliding saucer will execute a right-angle turn as it follows the falling ballast. UFO right-angle turns--impossible for conventional aircraft--explained via contemporary airship technology.

The elliptical-hull airship designed by the Spacial Company in Mexico is a circular rigid blimp. This helium aircraft comes very close to fulfilling our UFO theory. However, its symmetrical shape is not quite an airfoil and because this lighter-than-air aircraft is always "buoyant" it cannot achieve high speeds through gliding.

Hot air airships manufactured by companies like Cameron in England have a traditional blimp shape. These aircraft attain lift from a propane-fired burner, like a hot air balloon. Hot air lift, as mentioned earlier, is the propulsion method of our theoretical flying saucer. Cameron airships, however, are even slower than the Spacial airship because they are inflatables.

Now imagine a saucer that combines the asymmetrical lenticular shape of the UFO glider, the structural strength of the Spacial airship and the hot air lift of a Cameron airship. Here we have an entirely new aircraft capable of vertical takeoff and landing, rapid horizontal flight and right-angle turns.

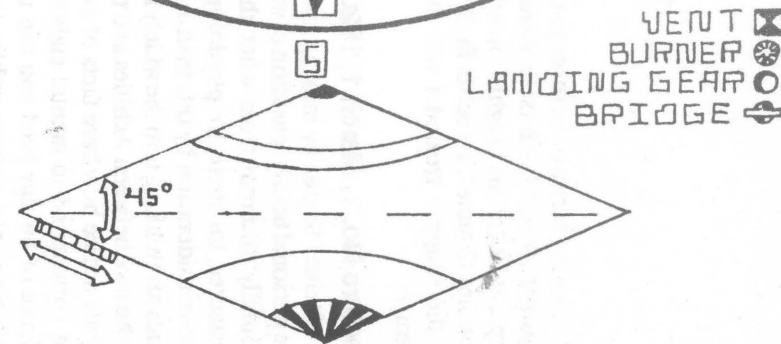
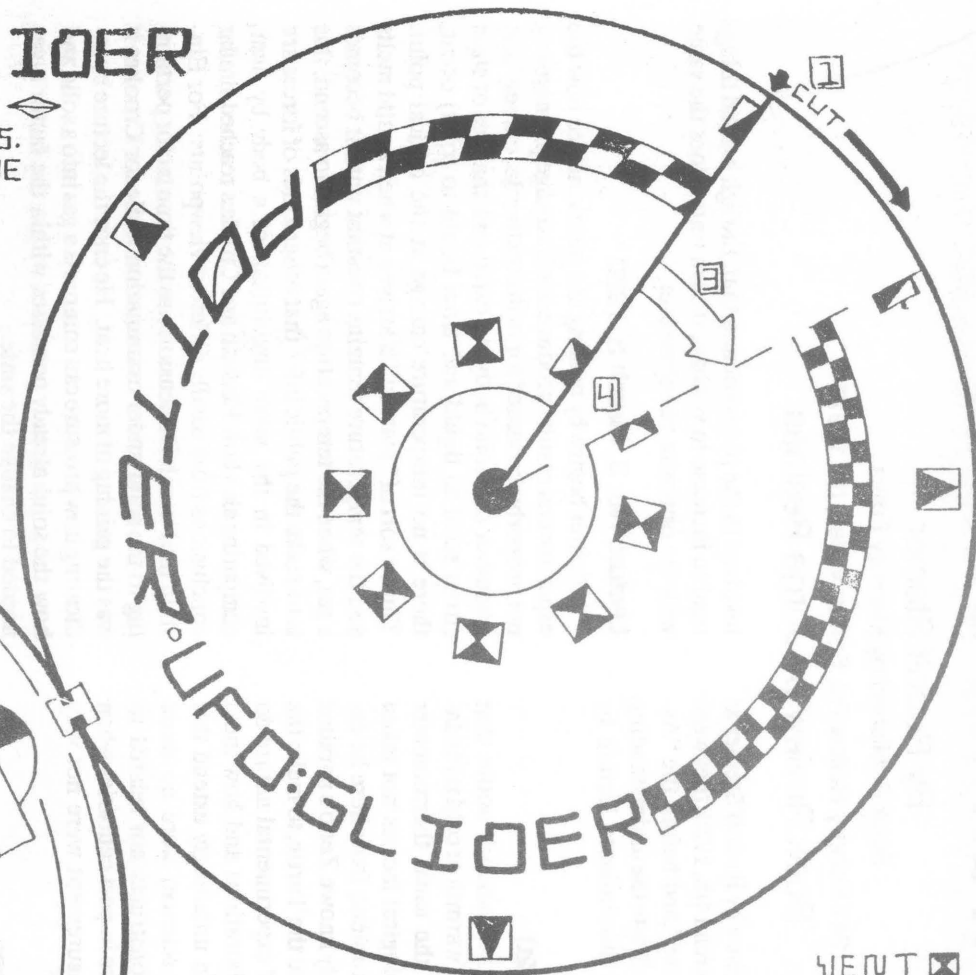
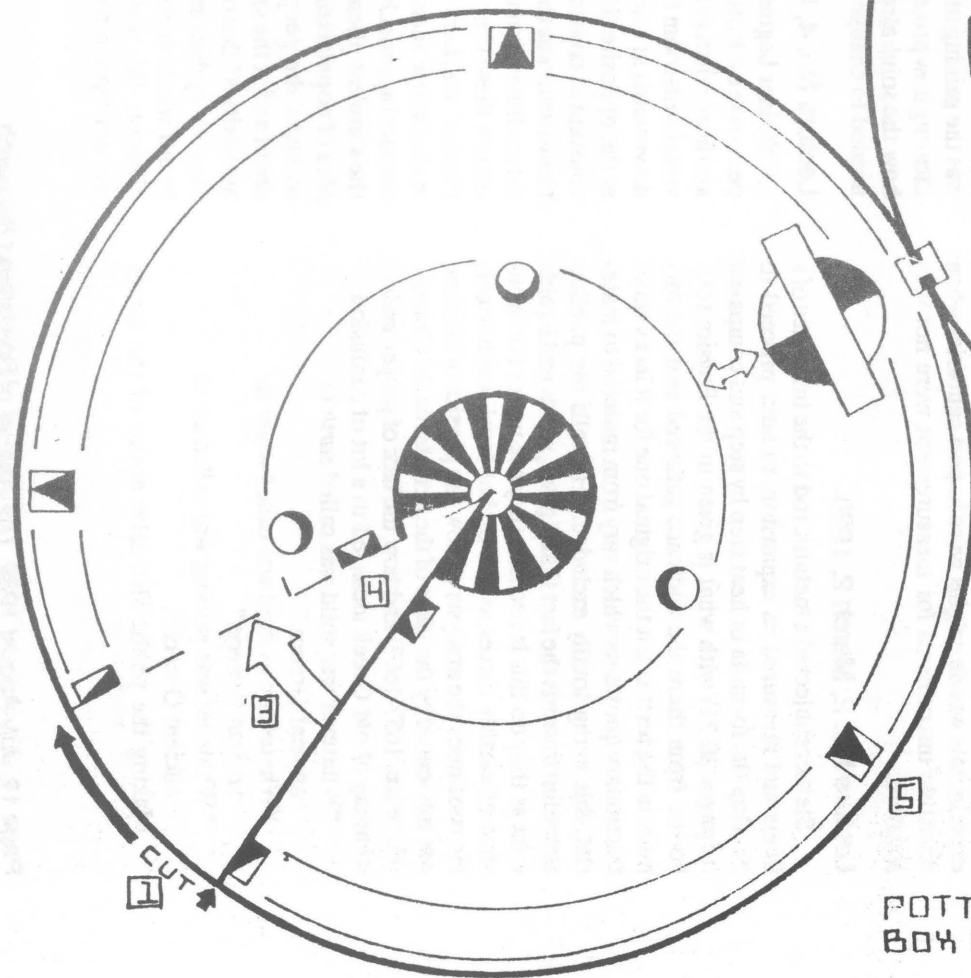
Many practical configurations of this saucer craft are possible. I invented the paper UFO glider while experimenting with a similar saucer devised by the late Richard Benson. Benson's craft consisted of two symmetrical, rigid, fiberglass shells, a flame burner cleverly mounted atop a pivoting fuel tank for ballast and an insulated bridge above the burner.

This process successfully explains how a manned (or aliened) UFO could make a slow right angle turn. The mystery still remains however, of how a crew could withstand the excessive G force of a rapid 90 degree maneuver--unless the saucer was under remote control.

POTTER UFO GLIDER

ASSEMBLY AND FLIGHT INSTRUCTIONS

- 1 CUT AROUND CIRCUMFERENCE AND RADIUS LINES.
- 2 FOLD CENTER HINGE 1. 3 FORM SAUCER CONE HALVES - OVERLAP CUT RADIUS LINE ON DOTTED LINE. 4 TAPE 4. 5 HINGE SAUCER HALVES - PINCH FOLDED TAPE AT TRIANGLE PAIRS 4.
- 6 TAPE GIME TO C.G. POINT 6. 7 HOLD COMPLETED UFO GLIDER HORIZONTALLY ABOVE HEAD, BETWEEN THUMB AND MIDDLE FINGER. RELEASE AND LET THE SAUCER FLY!



SHIFT GIME TO CHANGE GLIDE SLOPE.

POTTER UFO GLIDER © 1988 MICHAEL POTTER
BOX 1298 • RANCHO SANTA FE, CA. 92067



Warmth Course

By Rudolf Steiner

Book Published by Mercury Press

241 Hungry Hollow Rd, Spring Valley, NY 10977

Book Review by Jorge Resines

This is a series of lectures given by Rudolf Steiner at Stuttgart, from March 1st to March 14th, 1920; they were imparted after his "Light Course" and before the "Astronomy Course". To better facilitate the understanding of the subjects treated I will discriminate lecture by lecture:

Lecture No. 1, March 1, 1920

Steiner begins by making the audience notice that the personal bodily sensation of warmth or cold is fundamentally different from what the usual thermometer measures, for there are physiological factors not taken into consideration by this instrument; from here he extends his thinking into the widely known Zeno's paradox of the race between Achilles and the Turtle, to make the public notice how bare facts of experimental nature do not correspond to mental elaborations and how most science of his day (and you can unfailingly extend this reasoning into today's public science) were no more than a collection of mental constructs not related to experiments whose origins were in past centuries when scientific instruments for measurement were not very accurate.

Lecture No. 2, March 2, 1920

Steiner subjected a metallic rod to the influence of a flame and measured its expansion, to later proceed to develop the formula of heat step by step and compared it (pages 20-21) with what is given in the Physics textbooks; from there the audience gathered that the formula in the texts is not the original one for it lacks small fractionary quotients which vary from material to material, this being totally excluded. He calls the public's attention towards the fact that if gases, solids and liquids exist as they do this is because they are under the influence of earthly forces as the higher-level conditioner. He continues the analysis of how the physics of his time was influenced by the ideas of the *Accademia del Cimento* (Florence, 1657-1667) and how the lack of proper understanding of old Greek ideas led to a lot of confusion:

"Whatever was solid was called *earth* in ancient Greece."

"Whatever was fluid was called *water* in ancient Greece."

"Whatever was gaseous was called *air* in ancient Greece."

Making the public also take notice of the forces

involved in the phenomenon that, though heated things tend to increase in volume, frozen water does the same with the opposite phenomenon.

Lecture No. 3, March 3, 1920

Steiner begins by making the public notice how the experimental results produce some strange phenomena not properly accounted for in the textbooks, namely that whenever one solid body is heated and changes of state (from solid to liquid and from liquid to solid) occur, there is no temperature change at the critical point. Thus, a sort of "plateau" is arrived at when a solid melts and the temperature remains constant until it becomes a gas, when the temperature again begins to ascend; this is to make the public infer that other kinds of forces are involved in the mere dissolution of a body by heat, comparing also how Einstein and Crookes reached similar conclusions from totally different viewpoints: For Einstein the Fourth Dimension was the time factor pertaining to the solid under examination while for Crookes it was the gaining of more heat. He ends the lecture by indicating how pressure can compress a gas into a solid and how the solid already possesses within the factor a gas needed to change the state.

Lecture No. 4, March 4, 1920

Steiner begins by making two different gases interpenetrate each other to demonstrate how this is possible and how, when submitting a given liquid within a closed vessel with room for expansion, the gas pushes the liquid downwards at one place, thus creating an upwards flow at the opposite side ("the volume-pressure product is a constant at constant temperature"). From this he continues what was told in Lecture No. 3 that only by leaving three-dimensional space, it is possible to gain an insight of how these simple processes actually occur and that if Physics' teachers were good at their trade they would make their students first notice this fact, for a purely mechanical approach cannot see all factors involved even in the simplest phenomenon. Also, he stands behind the idea of popularizing "rigorously exact science" in order to make the people aware of what science is actually about and at the same time, to do away with "established authorities" that only stay entrenched in their positions! He ends by discriminating how sensations are perceived by our whole organism and how, since all organisms are different, this may involve different degrees of qualitative perception for all of us.

Lecture No. 5, March 5, 1920

Steiner begins this lecture by making the public notice the difference between what can be accounted for within the two divisions of Mathematics (Arithmetic and Geometry) and those psycho-physiological factors that pertain only to the individual and have no symbol whatever in mathematics. Because of this short coming in expression, physicists tend to shy away from involving such factors in their science, thus leaving a huge gap capable of allowing the entrance of many mistakes (be they involuntary or not), stating that only the proper occult training can eliminate this deficiency, for it creates the possibility of a deeper penetration into actual material processes.

Note from the Reviewer:

Before continuing the review, I want to bring before the readership a personal feeling concerning the whole work:

As I read all the lectures, I could not avoid thinking that many of the things Mr. Steiner referred to as being of a spiritual nature, but with possibility of being proved experimentally, were already proven by Dr. Gustave Le Bon, about whom I have extensively talked about in my *The Complex Secret of Dr. T. Henry Moray* (including all the bibliography I could find in French for independent verification).

As I am not acquainted too deeply with Steinerian conceptualities, I suggest those who actually are to find and read English (or German) translations of "Evolution of Matter" and "Evolution of Forces" published in French in 1905 and 1907 by Emile Flammarion Editeur of Paris. These two works are an excellent resume of Le Bon's important experimental discoveries and match very accurately the "spiritual viewpoint" Steiner urged his public to adopt in order to consider as included in common physical phenomena many factors that mechanical science could not explain or rudely excluded for not fitting its own pet theories.

It was actually Le Bon who discovered radioactivity and atomic energy (BEFORE the Curies) and not Henry Becquerel; Mr. Becquerel (and you can verify this by reading his 1896 and 1897 articles in "Comptes Rendus") believed radioactivity actually to be a "form of light" which could undergo all phenomena (polarization, refraction, reflection, etc.) usually associated with light. This will also show how the Nobel Prize is awarded and how only establishment-related people get it!

Lecture No. 6, March 6, 1920

Mr. Steiner begins by placing mercury within a tube and later placing the tube within a mercury-filled vessel, in the manner of the "open" thermometers of antiquity. He does the same thing for three other liquids: water, alcohol and ether, and proceeds to heat the tube's upper portion to show how expanding gases push the liquid downwards and make the level of the vessel flow upwards. He did so to show how heat changes the bodies and how cold returns them to their former state. He proceeded by showing how ice can be melted and refrozen by means of a wire from which a weight is hung and which is placed upon the ice; by this method he also shows how the same effects can be attained through pressure. He further mentions that three certain metals, when taken separately, only melt over +250 degrees C but when fused into an alloy they do so at +94 degrees C, to show

how a synergistic effect happens. The main idea in this lecture is to show—apart from synergistic effects—how each state of matter is no more than the degree of packing of the constituting atoms and he ends by adding:

"In solids we have the images of the fluid state."

"In liquids we have the images of the gaseous state."

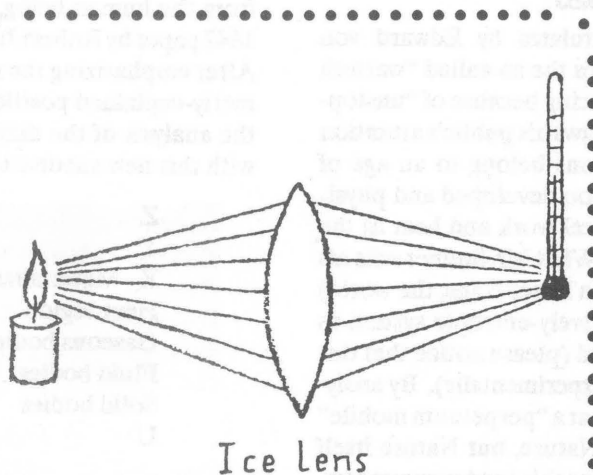
"In the gaseous we have the images of the warmth state."

He did this to have an image of the gaseous state that is accessible to human observation and to eliminate complicated theories that only confuse the issue, also

to indicate that unknown factors are at work to maintain solids, liquids, gases, etc. as they actually appear to us.

Lecture No. 7, March 7, 1920

Steiner begins by drawing the public's attention towards the words of 19th-century physicist Edward von Hartmann -- which were a product of the time they were issued, with all the deficiencies this entails -- and how those OLD thoughts, with plenty of gaps within, had found their way into the physics of the time (1920). He indicated also the need to have research institutes foster the Anthroposophical viewpoint and how physicists should not strike out everything that cannot be expressed mathematically (remember Lecture No. 5). By means of an experiment he leads the public into the knowledge that solids "take up" gravity into themselves to appear in such a state, water is a kind of "null point" for gravity



only serves it to make it have a surface. Mr. Steiner furthers this example by taking a solid tetrahedron and indicating that if he were to make it entirely disappear--and that its occupied place would remain as such by any other matter or energy--actually within it we would have "reversed" physical laws other than those making the solid tetrahedron as such. The sphere is the intermediate body between the solid and "empty" tetrahedrons. His idea in this lecture is to set up a scale of values, from the greater to the lesser, for densities of different atomic realms and non-atomic ones and their associated effects, to wit:

- X
- Warmth
- Gaseous (acoustical effects most pronounced)
- Fluid
- Solid (mechanical effects most pronounced)

Lecture No. 8, March 8, 1920

Continuing with the postulates by Edward von Hartmann, Mr. Steiner analyzes the so-called "warmth death" our universe is experiencing because of "unstoppable negative entropy" and draws his public's attention to the fact that the formulations belong to an age of history when science was not too developed and physicists considered only mechanical work and heat as the most basic factors of creation. What Mr. Steiner asks his public is if the universe (or, in a lesser stage, the world) actually is a closed and negatively-entropic system as 19th-century physicists believed (please notice that this assumption was never proved experimentally). By analysis he reaches the conclusion that a "perpetuum mobile" is always trying to appear in Nature, but Nature itself prevents its formation as soon as this tendency appears. This is why solids exist, because Nature prevents the atoms from separating themselves totally from those of its own kin. But, also with existing dissolving forces (to call them this term for the sake of identification), the form of the solid disappears in the fluid realm, which loses its attribute of surface when entering into the gaseous realm; and gases "lose themselves" into the heat zone. In short, Mr. Steiner proposes the following stages and conditions for their individual existence and inter connections:

- X Becoming Material - Becoming Spiritual ↑
- Heat
- Gas Negative Form Condensation - Rarefaction
- Fluid
- Solids Form ↓

In order to advance further, he looks into the "X" realm beyond rarefaction and condensation, for if these two conditions exist then matter is also present there, no matter how attenuated its condition of materiality. Also, he looks into the opposite way within a realm of greater

materiality (if this is not a prophecy of transuranic elements, I do not know what it is; it is even more impressing when he speaks about "negative matter" called "anti-matter: in the experimental Physics of today!), and binds both ways of looking when viewing the rainbow of the color spectrum; indicating the existence of vibrational realms beyond the Violet and before the Red, he ends with Goethe's theory of color that encompasses not only the colors themselves arranged circularly (thus making it easier to understand color) but also the invisible vibrational realms that contribute to their existence!

Lecture No. 9, March 9, 1920

By means of a simple experience, Mr. Steiner draws his public's attention towards the crudeness of the measuring instruments then existing. Also indicating how Physics (then and now) separated the experience from the human being, and how it all originated in an 1842 paper by Robert Julius Mayer on the theory of heat. After emphasizing the nonsensical approach of the formerly-explained position, he proceeds to continue with the analysis of the different interconnected states, but with this new subdivision:

- Z
- Y
- X Materialization - Dematerialization
- Heat region
- Gaseous bodies Rarefaction - Condensation
- Fluid bodies
- Solid bodies Form
- U

Mr. Steiner explains again how each realm (from solidity to disintegration of atoms and beyond going upwards) foreshadows the features of the upward-existing one and postulates the existence of another realm--called "U" by him--whose characteristics make it foreshadow the level of form and solids. In the end, this "U" region is the one of formative forces for solids. Continuing with the analysis, he passes into tone and there he discriminates the tone itself from the compression and rarefactions of atmospheric gases that accompany tone, but are NOT in it! This he did in order to separate fantasies created by thought generated by the imperfect perception of an experimental result and by an excessive over-generalization of it. Mr. Steiner goes back to Goethe's theory of color and makes his public notice that the usual rainbow is associated with another one -- of smaller size and reversed order of colors -- that is usually passed over in Physics textbooks; the aim of this explanation is to "bind" into a circle the realms shown staged above as Goethe bound the colors, and to relate this new arrangement with cosmic order.

Lecture No. 10, March 10, 1920

Mr. Steiner begins by making a full-spectrum beam of light fall upon a goblet where a chemical is placed. By placing in the beam's path different chemical solutions he blocks selectively those different portions of the spectrum (either visible or invisible) that create different physical effects (chemical effects, heat effects, photo-electrical effects, etc.). *[As I stated in the "note" before, this was explored much more in depth by Dr. Gustave Le Bon and I urge Steiner's followers to read him by any means!]* He further repeats the experience of increasing temperature by using an ice magnifying glass and indicates that "there are more things" in this fact than those dreamed by science, for the ice magnifies heat but is not affected by it! He disproves the concept that heat transmits itself from particle to particle by hypothesizing that if you place a group of boys upon a metal beam and heat it so that each boy will yell when heat reaches his own place, you cannot state that the yell is transmitted because of this! *(Personal note: actually heat is - like electricity - an external effect in metals as long as it does not penetrate its innermost portions and thus the metallic piece retains its shape; when heat penetrates into the metallic piece, it becomes fused. Jorge Resines).* By placing five different metal rods into boiling water, by means of a dye, he shows his audience how not all metals transmit heat in the same proportion, backing experimentally his statements of Lecture No. 2 of how some fractionary quotients are eliminated in the general formula of heat. Afterwards, he continues with the analysis of the different stages analyzed in the former lecture and how they apply to the human being, emphasizing that to each effect a counter effect is attached, indicating how they balance each other. Extending his thought into the sphere of matter he states: "Modern (1920) physics has not developed at all this concept of negative matter, related to external matter as a suction is to a pressure. This is unfortunate for modern physics."

Lecture No. 11, March 11, 1920

He continues, to a certain extent, the experiments of Lecture No. 10 and indicates how--because of earthly conditions--the light spectrum as arranged by Goethe must be presented as an image. By extending outwards this circular spectrum, he makes some colors disappear into the non-visible, reversing the original process of formation. Because of earthly conditions, he explains, colors are made to arise from the invisible realms, and its circular Goethean arrangements is broken into a straight line making some of them disappear. By analyzing materialization and its opposite, he reaches the following equations:

Rarefaction = Dematerialization = Brightening
Condensation = Materialization = Darkening
and also to the conclusion that some properties of one

condition are present in the other and vice versa. Dematerialization is equated with heat-produced effects and also with the fact that the transmission of heat produces an increased motion of atoms of intensive character (and not of extensive character, as I indicated in my note to Lecture No. 10). Besides, in self-heated bodies such as mammal organisms, heat is a "border-line" of the following character:

Spaceless Suction / Heat Region / Space Pressure

Because our organism (for example) is kept together by pressure forces (as do all solids) and suction makes it tend towards dissolution, heat being the result of both forces in balance. The remnant of the lecture was dedicated to examine, from Steiner's spiritual viewpoint, the conceptions of two famous physicists of his day, Max Planck and Ernest Mach, and the faults that plagued each in their respective judgements of experimental findings; adding in the end: "If you consider how fruitful the one-sided (materialistic) concepts have been for technology, you can imagine how many technical consequences might flow from adding to the modern (1920) technology--which takes into account only pressure forces--the possibility of making these suction forces fruitful also; and by these I mean not only spatially-active suction, which is a manifestation of pressure, but suction forces qualitatively opposite to pressure forces." *And one wonders whether or not this conference and the former were attended by an Austrian Forester named Viktor Schaubberger, who might have been greatly impressed by these wise words.*

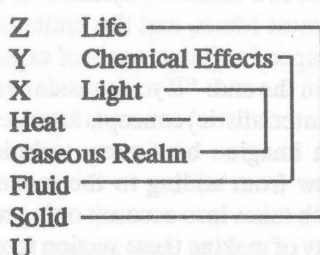
Lecture No. 12, March 12, 1920

Steiner first makes reference to his "Course on Light" and to the theories that speak about "rays of light" and how transparency and opaqueness of bodies is referred to the amount of these theoretical "rays" that they do allow to flow through them, warning his public against taking too seriously what are only unproved theories. Mr. Steiner goes on analyzing temperature difference between one cold and one hot zone and an intermediate region that serves as conductor, indicating that great care must be taken in the mathematical expression of this for the heat distribution is not uniform. From this he goes back to the light spectrum with its zones of warmth and chemical effects indicating that if formulae are used to relate light and warmth and chemical effects, then imaginary numbers must enter into the calculations and how super imaginary numbers (originated by the late Paul A.M. Dirac) must be introduced when things get more complicated. But warning his public that--as he did in Lecture No. 5--the limitations of mathematics leave plenty outside of consideration. He ends the lecture by establishing the terms of "warmth ether", "chemical ether", and "light ether" as helpful in designating those subtle forces acting within the spec-

trum that create the forementioned respective effects and indicates that mathematics are to be reformulated in order to incorporate a broader range of factors not yet included.

Lecture No. 13, March 13, 1920

Steiner makes some experiments by using the different portions of the light spectrum blocking them by the usage of the appropriate chemical solution, and returns to his old saying—see Lectures Nos. 8 & 9—of how each realm foreshadows the qualities of the following one (when going upwards). He relates gases with light, fluids with chemical effects and solids with life effects, making the heat realm act as a “balancer” in this scale of effects:



To further indicate that, in the dim past when the planet was not totally solid, atoms and ether flows behaved in a different manner than to today: “At that time the entire Earth was not solid as we now understand the solid condition just as little as was the corpse of today to a corpse of five days ago. Solids were not found in an independent state anywhere on the Earth and only occurred bound to the living; fluid existed only bound to chemical effects and gases only bound to light effects.

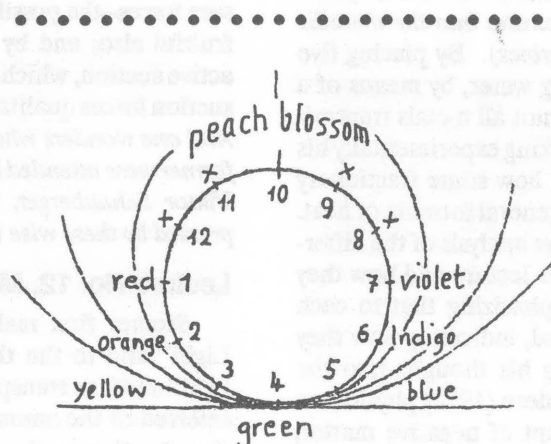
In other words, all gas had an inner glittering, an inner illumination, an illumination that showed a wave-like phosphorescence and darkening as the gas was rarefied and condensed. Fluids were not as they are today but were permeated by a continuous living chemical activity. And at the foundation of all was life, solidifying itself—as it solidifies now in the horn-formation in cattle, for instance—and then passing back again into fluid or gas, etc. In brief, we are forced by physics itself to admit a previous period of time when realms now torn apart on Earth existed together. The realms of the gaseous, the fluid, and the solid are now on one side, and on the other side realms of light, chemical effects and life. At that

time they were within each other, not merely side by side, but actually within each other.” (page 160) Further indicating that in those times heat was the equilibrium condition between the etheric and the ponderable material realm, for he thinks of heat as being ether and matter at the same time. Thinking of heat as a difference in level leads to a deeper level of analysis that makes one see how the “Second Law of Thermodynamics” has obviated—because of its fundamental flaws and its mechanistic foundation—the interrelationships above indicated, and that all different phenomena should be taken as part of a circle as was the light spectrum by Goethe, where one process actually feeds the others and vice versa.

Lecture No. 14, March 14, 1920

Mr. Steiner recapitulates some points of the former lecture and indicates to his public how the effects indicated in it actually happen at all levels of interrelation but only by rising to a universal viewpoint is it possible for the not-too-educated man or woman to comprehend this. This is in entire agreement with the experimental

findings of Dr. Le Bon, I permit myself to add, who obtained -- for example -- chemical effects on solids by making a beam of light fall up them! Steiner continues by indicating to his audience to conceive of the periodic arrangement of elements in octaves, so that their combination and interrelated assorted phenomena may be conceived as an outer reflection of an inner cosmic music. This is done to make different phenomena appear as the differences in levels of musical composition, therefore, simplifying the whole spectrum of chemistry and physics; so sadly



Goethe's Color Circle

confused in today's books.

Briefly, returning to the polar and material opposites of Lecture No. 11, he makes his public consider spaces full of matter and those emptied of it, with transition zones in between. This was done to make them understand that: “We would be much better off, however, conceiving of these things as they were thought of by the intuitive knowledge of former times. Manifestations in matter, which are always accompanied by the imponderable, were then thought of as influenced by the whole cosmos instead of being misinterpreted as due to certain theoretical inner configurations.” (page 171) The idea behind this is to “tear space apart” in order to

reveal what is behind each phenomenon instead of letting ourselves be dazzled by the event under manifestation. With this conception in mind, Mr. Steiner once again reminds his public of how deficient the quality of thinking is during his time of life: "Nothing is sadder to contemplate than a future in which the way of thinking that has devastated the minds of educated people will be transmitted to people throughout the whole Earth by means of public school systems. If one wishes to found schools for the people, we must be sure that there will be something to teach in them, something whose inner configuration represents an advance. We first need the science that could be taught in these new schools." (page 175) He continues by speaking against the over-specialization in science that today so deeply pervades our society and that was widespread in his time, but not as deeply as today, considering it a terrible evil that people of different branches in science would not bother to listen to what others had to state, and if they did so, the specialized jargon prevented the mutual and necessary deep understanding. He ended his lecture by asking his public not to surrender before the words "Build schools for people", but to fight for "First it is necessary to have

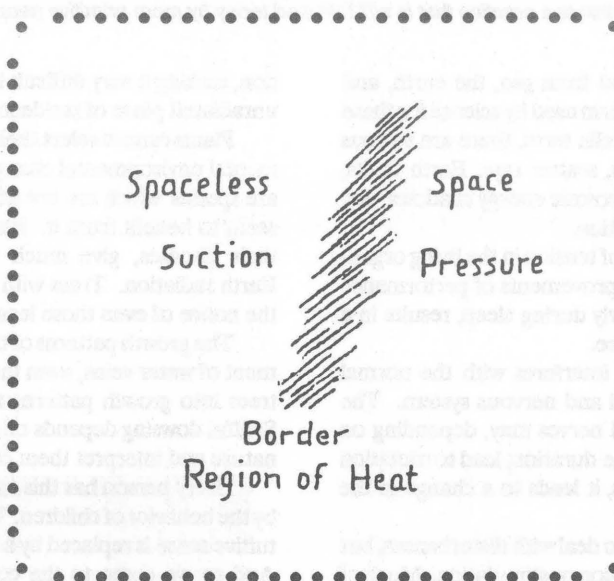
something new to teach in these schools for the people" (page 177); claiming also against "established scientific authorities" and for the need to cling to "rigorously exact science", which would lead to a mutual cross-fertilization of all fields in science to the total benefit of all.

Conclusion

It was a great pleasure for this reviewer to have

written this somewhat lengthy review, but I have been obliged to condense into a few words or sentences what Mr. Steiner explained in several paragraphs or pages. Because of space, much detailed explanation was left out, but the way of writing this review as it was done was in order not leave out reading the most fundamental concepts involved, so that those who later read the book will understand what Mr. Steiner said and also will have a "travel guide" uniting all these concepts into a comprehensible whole without gaps. One warning, however; there are notes to

the course on pages 181-197 which should have been indicated throughout the text with asterisks or numerical notation by the publisher; as this is not done, the reader must carefully look at the page indicated in search of their source.



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Dowsing and the Effects of Earth Radiation

Compiled from the book *Earthrays-The Silent Killer?* by Harald Tietze

Earth radiation is part of the natural environment and influences all living organisms. The civilizations of Africa, Asia, South America and Europe recognized Earth radiation and made allowances for it in their daily activities. In China, it is an old custom, dating back thousands of years, to determine suitable positions for new buildings by expert diviners. The ability of Earth rays to slow down the process of decomposition was used by the Egyptians for mummification. Old Germanic and Scandinavian legends frequently mention the use of the divining rod. Then in the Middle Ages, the practice of divining for Earth radiation was rejected as superstition. Only since the beginning of this century have the far-reaching effects on health of this radiation been recognized again. Although Earth radiation is a contributing factor in disease, it also has positive effects. It stimulates and activates our physical and spiritual reserves. Our ancestors erected their places of worship over zones of radiation and this is a practice that is still followed today by more primitive people.

Geopathogenic: a term derived from *geo*, the earth, and *pathogenic*, to create illness, is the term used by science for these radiation zones. Under this umbrella term, there are various theories, for instance, magna rays, scatter rays, Earth faults, curvy nets, Earth magnetic fields, cosmic energy shadows, etc. Best known is the water vein radiation.

Earth radiation causes a state of tension in the living organism which results in short-term improvements of performance but long-term exposure, particularly during sleep, results in a debilitating geopathogenic influence.

Earth radiation disturbs and interferes with the normal interaction between the hormonal and nervous system. The interplay of glands, hormones and nerves may, depending on the intensity of the radiation and the duration, lead to mutation of body cells. In the case of trees, it leads to a change in the structure of the wood.

Our body has a limited ability to deal with disturbances, but it cannot cope with continuous tension or stimulation. Much of our state of health is directly influenced by radiation, as for instance, cramps, depression, insomnia, bed-wetting, asthma, pains on the weak spots of the body etc. More problematic, however, are the illnesses which result in permanent damage, for instance cancer, where considerable statistical evidence between the direct correlation between geopathogenic radiation and cancer exist.

Very similar to the moon, and very likely caused by it, is the change in Earth radiation, and particularly in intensity. One experiences the highest radiation during periods of full moon, decreasing with a decreasing moon phase. Whilst radiation lines sometimes disappear totally, other new fields appear in different locations.

In Central Europe, certainly fluctuations are known, but they are relatively small and appear periodically. Water veins do change but only slightly or not at all in their width.

In Papua New Guinea, water vein radiation is similar to Europe, subject to minimal fluctuation although a common occurrence in the appearance and disappearance of huge water veins. The cause of this is likely to be found in the high local seismic activity.

Australia has a high incidence of continuous water veins. Fluctuations in the intensity, however, are some of the most extreme anywhere on the planet. The reason for these extremes is the ancient nature of the continent and the extreme climatic conditions. Long periods of drought are followed by periods of flood, resulting in the shrinking and re-activating of the subterranean watercourses.

The huge artesian basins are subject also to Earth radiation,

making it very difficult in those areas to find a permanent unradiated place of residence.

Plants cannot select their location nor can they avoid detrimental environmental change. Similarly to the animals, there are species which are not affected by Earth radiation or even seem to benefit from it. Plants by their growth habits and by their diseases, give much information about subterranean Earth radiation. Trees with cancerous growths cannot escape the notice of even those least interested in nature.

The growth patterns of trees exactly indicate to us the alignment of water veins, even their direction. Radiation forces the trees into growth patterns that are unnatural to the species. Skillful dowsing depends on an ability to read the clear signs of nature and interpret them correctly.

Every person has this sixth sense frequently demonstrated by the behavior of children. When we become educated, this intuitive sense is replaced by a logical, numerical type of thinking. And so we come to the conclusion that when there are no instruments to measure Earth rays, there are no Earth rays.

The things we cannot prove don't exist. For radioactivity we have the geiger counter; for electricity, the voltmeter; for the warning signals of Earth rays, only our subconscious. For our own protection, we have to re-discover this ability and perfect it. To find Earth radiation is simple, inexpensive and has nothing to do with supernatural abilities. Anybody with a wish to learn has succeeded, which has led me to the conviction that everyone can find these disturbing influences with the aid of the divining rod.

The most used and traditional rod is the willow branch. My father and my grandfather only used that type of rod. I only learned 15 years ago about the steel rod and only began to use the double-wire rod 5 years ago.

From my experience, beginners learn best with a double wire rod. Often the attempts with the willow rod prove to be unsuccessful in the beginning, and once a wire rod is tried, the learner is successful. A drawback of the wire rod is that strong wind may affect the reading.

Willow rod and a pivoting steel rod should tilt slightly upwards, the back of the hand pointing towards the earth. When crossing the radiation lines, the rod turns powerfully downwards.

The double steel rod, on the other hand, is held very loosely in the hands. With most support given by the little finger, the thumb should not be crossing on the bend of the wires. The hands should not touch but should be at least 10 centimeter apart. Rods should be held slightly lower and when crossing veins, the rods will move upwards and cross. Surely, all beginning is difficult and, as already mentioned, you need to seek the

advice of an experienced dowser to check the readings. Both should prepare sketches for comparison.

MAKING A ROD: The traditional willow rod was cut fresh from the trees. Other types of wood may also be used. The ends should be pliable and the rod not too heavy. The steel rod may consist of one piece of wire, or of two pieces of similar length, bent so that one leg is 8 centimeters long and the other, at right angles to it, 30 to 60 centimeters long.

Different materials are suitable. I use coat hangers, sometimes plastic coated. Old rusted fine fencing wire may be used. Some of the best dowsers I have come across had the simplest of instruments.

Most animals react strongly to the presence of water veins just as human beings do. The difference is that we dismiss the sense in our concentration on rationality.

The organs of the pig, as well as its alimentary tract, are similar to that of the human. Observation of domesticated pigs shows a high degree of sensitivity to Earth radiation. I observed the situation where 100 sows were put into a special stable in preparation for the arrival of the piglets. The mother pig would seek a position away from the Earth radiation, the piglets would also move there are a short warming-up under the heater. The rate of squashed piglets for this particular box was much higher than for any of the other boxes, whilst in the other boxes, the piglets spent a good deal of time under the heater or around the heater. The restless piglets in the box, subject to Earth radiation, had a higher incidence of sickness and a lower growth rate. Other influences, for instance draughts, were not affecting this particular observation.

Hens are also very sensitive to Earth radiation. Hens are kept to provide fresh, uncontaminated eggs. They should, therefore, be kept in a location which is comfortable for them. Often it can be found that hens avoid the quarters that are provided and do not use the perches but rather roost in other places. They spend the night on the floor in a corner though a comfortable perch exists. In such cases, the cause is undoubtedly the existence of Earth radiation.

There may be an explanation here for the use of cat skins in many countries of the world for the alleviation of rheumatic complaints. Are we perhaps here dealing with a type of homeopathic effect? Why aren't warmer, softer furs of other animals used for that purpose?

In my work with the complex issues of Earth radiation, I find that many questions cannot be answered, and that any answer raised further questions. Several claims made by experienced dowsers have occupied me over many years. One of them is: Do primitive people understand the connection between Earth radiation, water veins and their negative effects on health? Papua, New Guinea seemed to me to be the best place to find answers to this question. The largest part of Papua New Guinea is untouched by our civilization. Houses and paths between the villages, as well as the location of villages, in the country at least, are not planned in some distant office but determined by the instinctive decisions of the natives.

It happens now and again that the entire population of a village, after having occupied the site for many generations, will abandon it for no apparent reason. An entire new village, sometimes only several kilometers away, is built in the thick jungle. Why do these people make this enormous effort of leaving and re-establishing a new village?

The history of the abandoned village, Garagassi-Gorendu, is well documented by the Russian explorer Nicolai Miloucho-Maclay. He lived for several years in Garagassi and visited many neighboring villages.

About 100 years ago, many people died here of various diseases. Some houses were more affected than others. The possibility of an epidemic was discounted in this case, because the tribe was in close contact with several other tribes and none of those had a record of such diseases. We checked the previously densely-populated site. A radiation belt, wider than the old village, was found criss-crossed by a series of smaller lines, and this appears to have been the causes of the disaster.

Many other abandoned villages are known in Papua, New Guinea, as well as in Fiji where I looked into this matter. These villages have an enigmatic story in common, told by the surviving elders. Suddenly people die of unexplained, different diseases, some very young. Premature births and infertility increase. The descriptions of the plight do not fit the typical pattern of an epidemic or pest plague which may have been a suspected reason for abandonment of the villages. Pigs are said to suffer problems in these situations; a further reason for the desertions, since pigs are highly valued by the native as a kind of currency.

The reason for the disaster overtaking these unfortunate villages seems to be the occurrence of Earth radiation alone. Seismic activity, common in New Guinea, could explain the sudden occurrence of the radiation in such breadth and intensity. No surprise then that the natives believed in curses by hostile tribes or revenging ancestor spirits.

Earth radiation assists, amplifies or triggers disease. Our body, to a certain degree, compensates for negative effects of Earth radiation, but it is only a matter of time before the weakest part of our system will succumb. This process is hastened by genetic disposition and other negative influences.

The most detailed statistical evidence in regard to earth radiation so far has been established for cancer. Over the years I have observed many cases who, according to my theory, should have enjoyed good health but were not. My assumption was based on their natural diet, sufficient exercise, emotional well-being and many were also living in a rural, coastal, relatively unpolluted environment along the East coast of Australia.

Medical investigations undertaken on my advice revealed cancer. In some cases, previous owners of the houses also suffered cancer.

Although I am aware of a series of other cancer-causing factors in today's world, I have yet to find a cancer case (skin cancer excepted) without long term Earth radiation exposure in bed or at work.

Similar connections have been found for depression, bronchitis, insomnia, bed wetting and rheumatism.

We know Earth radiation mainly by its devastating outcomes, which logically increases our desire for solutions. Since we do not yet possess measuring instruments to demonstrate the radiation phenomenon and effects, we are depending on the sensitivity and behavioral indicators of plants, animals and man. This situation, understandably, creates a climate for misuse by charlatans. *It is therefore particularly important that as many people as possible develop dowsing skills and experience.*

EARTHRAYS: The Silent Killer? Is now available from BSRF for \$12.95 plus \$2.25 P&H. Californians add 6% tax.

AIDS: Biological Warfare

Book by Thomas Bearden

Published by Tesla Book Co.

PO Box 1649, Greenville TX 75401

Reviewed by Michael Urban, Ph.D.

Here we have another of Tom Bearden's interesting mixtures of fact, fiction and fantasy. Bearden's writing is to accurate information what Geraldo Rivera's reporting is to good journalism.

What is really amazing to me is that people actually believe this stuff. Of course there is a precedent for this kind of writing. It was pioneered by a science fiction writer, who, on a dare from a colleague, claimed that he could write a sci-fi novel that would create a following and give birth to a new religion. To the accompaniment of his colleague's laughter and ridicule, a book called **DIANETICS** was published. The author was a science-fiction writer named L. Ron Hubbard, and the rest, as they say, is history. The sci-fi religion of Scientology flourishes to this day, and is taken quite seriously by its adherents.

Bearden seems to be on a similar track. His books are more or less a "disinformation stew" with all sorts of readily available information thrown together, mixed thoroughly and then reinterpreted with a new "spin" that is unique to Bearden.

As usual with his writings, the main thrust of this book is, "the Russians are coming, the Russians are coming" ad nauseam. Virtually all events of history, both natural and man-made, are, if we can believe Bearden, under the direct and nefarious control of the Kremlin. Indeed nothing is too small or insignificant to escape the influence of the "Red Menace". Weather is being controlled, airliners are crashing, our space program is being sabotaged, the Woodpecker is pecking away at our national resolve, and if that's not enough, now they have cleverly engineered the AIDS virus! Who are these guys? They seem to be light years ahead of the U.S., and they do it all without Cray supercomputers to boot! Amazing, to say the least.

Well, if you've read this far you've probably grasped that I was unimpressed by this book. First of all it has very little to do with AIDS. The brief section on AIDS is basically a rehash of Dr. Robert Strecker's conspiracy theories. The latter invite you to believe that Russians working at the World Health Organization (WHO) have cleverly decided to invent a virus that will kill only Americans. I guess it is now possible to genetically engineer viruses that have political preferences. What a

concept, the world's first dogmatic virus. Presumably one could retain immunity merely through intensive study of the works of Marx and Lenin.

Actually the best part of this book is the bibliography and also the appendices. However, if you're really interested in this stuff, then I would suggest that you read for yourself what Bearden's been quoting and see if you come to the same conclusions. Chances are, after you read the original material, you'll know even less about what Bearden is talking about than you do after just reading one of his books. But I'm getting ahead of myself. Let's stick to the subject of AIDS since that's what this book is supposed to be about.

The real issues surrounding AIDS are not addressed in this book at all. So if your primary interest is to further your understanding of this seemingly strange disease, suggest that you get yourself a copy of Jon Rappoport's book, **AIDS, Inc.** which was previously reviewed in this journal (Mar-Apr 1989). At the present time the latter book is the best available overview of the various interests which spawned the disease which we now call AIDS.

One thing that everyone should keep very clear is that no one is dying of a putative AIDS virus. This is fact. People are allegedly dying of a viral disease in the absence of a virus titer! In other words, *there is no evidence of viral infection in AIDS victims*. Think about that. Bearden either didn't know this, doesn't know this or doesn't care. If he did, he would realize that the Tige Mosquito is an irrelevant red herring as a suspected vector in the spread of the disease. But then, his book isn't about AIDS anyway. In fact, if I were to allow myself to be really cynical, I would think that he picked the title in a sensationalist effort to sell books. But of course I'm not that cynical.

As for the remainder of the book, it's basic Bearden fare about electromagnetic scalar energy weapons systems that are being deployed against us by the Russians as you read these words. To be sure, you will find some of the material intriguing, some of the references useful and you will even be introduced, if you're new to the field, to some interesting people like Rife and Prior. But if you buy this book thinking that it will illuminate your understanding of AIDS you will be sorely disappointed.

FIZIX KORNER

With Peter Lindemann

In order to write this column properly, I must revert in my mind to my childhood where at times, with great delight, I would watch Bullwinkle the moose on television in his most illustrious role as "Mr. Know-It-All." There, from his rostrum, Bullwinkle redefined history in his own image. Little did I know, at the time, what a profound impact these innocent moments would have on my later years.

Now there is much in Science that I respect, none of which have I the slightest interest in relating here. For, like Bullwinkle, my primary purpose is to entertain and provoke, with only passing interest to inform.

So it was that 11 years ago I began experimenting with magnets. I, like thousands of curiosity seekers before me, performed the classic magnetic levitation experiment. Two wood dowels 6 inches long are mounted vertically on a wooden base. Two magnets are fitted with non-iron face plates over their pole faces so that they may be lowered on the wooden dowels to interact with each other without rotating out of alignment. I meditated on this little set up for hours at a time. When two like poles face each other, the upper magnet remains suspended in the air, at the point where the force of the magnetic fields equals the force of the gravitational pull of the earth.

So what is this invisible force they call magnetism? The upper magnet would remain suspended whether the two north poles or the two south poles faced each other. Was the exact same process involved in both situations? Or was one levitation caused by one unknown process and the other by a second or inverse process? I didn't know. I still don't. But I think it is important to ask these questions.

I became interested in the possibility of a permanent magnet motor, that is, a source of motor torque powered by permanent magnets only; with no other input. Well, the US Patent Office is choked with so called permanent magnet motor designs, none of which work. I continued my search. Finally, my attention was drawn to an obscure (my favorite) article. It was a xerox copy of an 1878

issue of Harper's Monthly Magazine. The article describes the fascinating clockwork contrivances of a Canadian named Wesley W. Gary. But even more interesting than the diagrams was the description of a magnetic phenomena I had never seen mentioned anywhere else in all of my searches. Mr. Gary had discovered that a permanent magnet has more than just a north pole and a south pole. The magnetic field has a "neutral line."

THE NEUTRAL LINE

This was a revolutionary departure from standard teaching about the nature of the magnetic field, which has focussed all of its attention on the poles. Mr. Gary found that many interesting effects happened only at the neutral line and not at the poles. One of the most interesting effects that is easy to demonstrate is that a piece

of iron (magnetically soft iron, like transformer laminations) exhibits a diamagnetic behavior, that is, it is repelled from the neutral line! For those of us who grew up being told that iron is *ALWAYS ATTRACTED* to a magnet, this effect is fascinating to say the least.

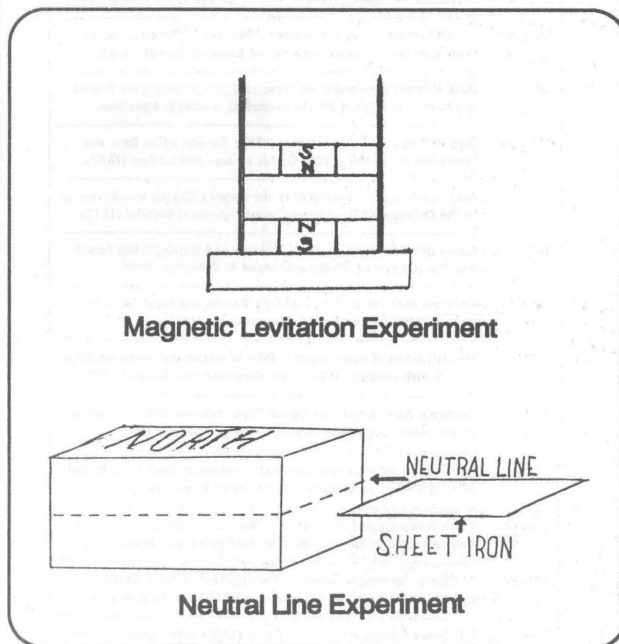
The effect is best illustrated by attempting to approach a permanent magnet with a piece of sheet iron that is parallel to the neutral line. It squirms and twists and wants to go anywhere but stay on the neutral line. It is not exactly repulsion, but it certainly is the opposite of attraction.

For anyone interested in building a perpetual motion

device powered by magnets, the path to success begins here, with experimentation on the neutral line.

So, is there a neutral line at the midway point between the poles of a permanent magnet? Its time to find out for yourselves. All you need is a permanent magnet, a small piece of sheet iron and two hands. Check it out, and let us know what you find.

Who knows, maybe one day soon you'll be able to hear, in the deeper reaches of your mind, like I do, that faint but clear voice of Rocky the flying squirrel saying "Thank you, Mr. Know-It-All."



B.S.R.F. BULLETIN BOARD

The B.S.R.F. Bulletin Board is a section for Letters, Reviews, Events, Contacts & other useful information for Borderland Members to aid in their researches. We encourage BSRF Members to submit contributions & information to B.S.R.F. Bulletin Board, PO Box 429, Garberville CA 95440. Letters should be addressed to LETTERS TO THE EDITOR, c/o the above address

LETTERS

THAT CURIOUS SOLAR ENTITY

"Enclosed are two items which you may find of interest:

1. SUNSPOT CYCLES AND HISTORICAL EVENTS.

2. HELIOSEISMOLOGY REVEALS DETAILS OF THE SUN'S ROTATION.

"Scientists have found that different parts of the sun rotate at different rates. It quivers, too. And it resonates like a bell at specific frequencies, emitting its own acoustic signature. What's it all mean? Our sun has a lot to teach us!
Fred Springgate,
San Marino, CA

Thanks for the input Fred. The article on Helioseismology is quite interesting. In our solar research we use the 27 day rotation period. That is the general rotation rate of the active sunspot regions. We're running the Sunspot cycles and Historical Events for our members to ponder. It is from "The Rhythms of Life" by Edward S. Ayensu, Crown Publishers, 1982.

THAT BALLBEARING MOTOR THING

"This letter concerns your article 'Fizix Korner,' page 17, May-June 1989 issue of The Journal of Borderland Research.

"Big deal! Why don't you explain how it works? Like the French say, 'Tres simple!'

Sunspot cycles and historical events

It has been controversially suggested that a cycle of historical events is synchronized with the sunspot cycle, and that nearly all major historical events have occurred in the three or four years leading up to and including the time of peak sunspot numbers. The dates of recent sunspot maxima are given with some of the major events of the time. (see pages 142-51)

1778	The American War of Independence (1775-83) led to the Declaration of Independence (1776) and to the defeat of the British.
1788-89	The American constitution was drafted (1787); the French Revolution succeeded (1789) and led to the rise of the middle classes.
1802-3	An Irish rebellion was suppressed (1799); parliamentary union of Great Britain and Ireland—the United Kingdom formed (1800).
1817	Duke of Wellington ended the Napoleonic era, defeating the French at Waterloo (1815) but Britain entered an economic depression.
1829-30	Irish Catholics were emancipated (1829); the first police force was established in London (1829); Greece became independent (1830).
1837	Trade unionism was born (1834); the People's Charter was drawn up by the Chartists (1836); Victoria became Queen of England (1837).
1849	Communist Manifesto produced by Marx and Engels (1848); French Republic proclaimed (1848); gold found in California (1848).
1860-61	Uprisings occurred in India (1857-8); Darwin published <i>Origin of Species</i> (1859); American Civil War broke out (1861).
1871	Westernization of Japan began (1868); education was made available to all British children (1870); Paris Commune was declared (1870).
1883-84	Germany, Austria and Italy signed Triple Alliance (1882); terrorism, struck Britain and Russia (1880-2); Krakatoa erupted (1883).
1893	Uprisings by socialists and anarchists occurred in France, Spain and USA (1890-2); a great famine spread across Russia (1892).
1905-7	South Africa erupted with the Boer War (1899-1902); church and state separated in France (1905); Russian Revolution failed (1905).
1917	The Easter uprising occurred in Dublin (1916); Russian Revolution succeeded (1917); Palestine became national home for Jews (1917).
1926	The General Strike occurred in Britain (1926); Stalin assumed power in Russia (1926); women in Britain were enfranchised (1928).
1937	Hitler became dictator (1934); Spanish Civil War broke out (1936); Keynesian economics began (1936); Japan attacked China (1936).
1948	The United Nations was formed (1945); the state of Israel was proclaimed (1948); revolution succeeded in China (1946-9).
1957	Israel invaded Egypt which led to the Suez crisis (1956); Russia invaded Hungary (1956) and launched the first space satellite (1957).
1968-69	The Cultural Revolution occurred in China (1965-8); worldwide protests take place (1968); Irish troubles began (1968-9).
1979-80	Democracy began in Spain (1976); drought struck Britain (1976); revolution in Iran (1979); Russia invaded Afghanistan (1979).

"Anyone with an elementary knowledge of basic electricity, would easily see through your 'great mystery!' Only three things are involved, i.e., an applied EMF, a current flow, and, the accompanying magnetic field, plus the conducting (shaft) is free to rotate. Fe chrisake! I expect something more from you all!

"Anyone with a knowledge of how the various types of electric motors work wouldn't think there was any big mystery there!

"P.S. The efficiency of the device would be very low

"P.S.S. I'm a retired Electronics Engineer Technician. A Technical Institute graduate with an Associate Degree in Radio, T.V. and Electronics Engineering. I'm a keen student of Tesla's work. Also of other (forgotten) inventors who's work was suppressed by our master. Have Fun!"
Milan Rafayko,
Lexington KY

Well Milan, we appreciate your quick reaction to Peter's article, and we are certainly having fun at this. I should just as quickly point out that your simple 'explanation' is nothing of the sort. By analogy you could be explaining the internal functioning of the sun by the fact that it gets light on earth during the day. There were two errors in the article that crept in during typesetting (for which we apologize). Paragraph 5 should read: 'is, therefore, very worthwhile

to experiment with any configuration of materials that

creates either generating or motoring effects...", and paragraph 8 should read "...drawing 85 amperes across 2.5 volts, for a power consumption of 212.5 watts". We would have hoped an experienced engineer of your credentials could have caught these errors. Stefan Marinov, who has done many years of serious research into this phenomenon has come to the conclusion that the motoring activity is the result of *thermal expansion of the bearings*. In reality no one has yet fully explained it, and that is why we ran the experimental parameters for researchers to try. The Ballbearing Motor operates with no back EMF whatsoever and whether rotating or stationary draws the same current. This is highly novel and cannot be explained by your simple statements of present forces. For many years Peter Lindemann has developed and worked with many types of motors and generators, standard and novel, and is working with other engineers of equal calibre.

THE WATERS OF LIFE

"Hi! Here's my renewal to the Journal--a most fascinating & provocative publication. Reference JBR of Nov-Dec 1988-page 19. 'Drink the water from your own cistern.' What does this mean? I read 'THE WATER OF LIFE' by Armstrong. Perhaps there is a mis-interpretation. Cistern not only means the bladder but also any other vessel such as goat skins on barrels used in ancient days to carry water. I believe cistern refers to water barrels used to capture rain water in ancient days. And rain water contains hydrogen peroxide (H_2O_2). Now, of course, it also contains acid rain. But according to Echo, H_2O_2 (the 35% food grade for human use when diluted) has over 24,000 references concerning health. And has kept the whales & all fish free of disease. Even old whales used to have arteries as smooth as a baby's. And as we know the whale has lots of fat & cholesterol! Now with the seawater pollution & acid rain even the fish suffer.

"So, maybe the biblical reference to cistern meant for us to use rain water & get our fair share of hydrogen peroxide. Maybe our Biblical scholars can determine which cistern is the correct one.

"I now also supplement my water with a little H_2O_2 as suggested by ECHO Newsletters."

Bill Zwirn, Jersey City, NJ

Well Bill, you bring up a good point. Both H_2O_2 therapy and Urine therapy are most interesting avenues of research. If one line in a book can stimulate people to check out both then they are well used words. We've spoken with many people who have had great benefit from H_2O_2 therapy. For more information on that we recommend our readers send \$2 to Walter Grotz, PO Box 126, Delano MN 55328, for a copy of the ECHO Newsletter. Alison & myself tried H_2O_2 about three years ago. Having the diluted H_2O_2 in our systems felt

quite horrible, which I felt was the taste of excess oxygen. We used it for eight days, as per one set of directions. Needed oxygen can be brought into the system through proper breathing exercises, and also through juicing fresh green vegetables & drinking immediately. Oxygen is the carrier of *prana* which imparts vitality to the body. We also experimented with Aerox (from APW, PO Box 3048, Iowa City, Iowa City, IA 52244, a source of well researched health products--write for info) & found it interesting. I could 'taste' the oxygen going through my system (in the nose) when I drank it, but in a somewhat pleasant manner, not distasteful like the H_2O_2 . My sensitivity to that 'taste' has become such that I can now subtly feel the oxygen entering my system after drinking fresh vegetable juice, or during breathing exercises. Oxygen is a good subject of Borderland Research.

THE IMPORTANT ETHER

"Regarding whether or not the ether does exist, it has been demonstrated mathematically that ether theory works. It goes beyond the scope of relativity in its power to make new discoveries, and is congenial to the common sense and intuition. I believe the underlying abandonment of ether theory has more to do with the age old struggle between classes. It may have been almost totally unconscious, but the worldwide adoption of an incomprehensible, anti-intuitional relativity theory appears more and more to me to have been a reaction to the proliferation of scientists from the middle and even lower classes. Thus there was an economic factor, as always, which influenced the flow of events. Combined with the understanding that in philosophical matters, there have always been two camps which have been at odds most of the time: the idealists and the experimentalists. The former, with Plato, hold that everything is in the universal mind, and may be grasped without experiment, and sometimes without reasoning. Foremost however, that his realm of idea has as its chief language: mathematics.

"In the writings of that school, one often reads 'and this can be arrived at from theoretical considerations alone.' So certain have these theorists been in their work as to literally ignore existing experiments which call into doubt aspects or all of the theoretical work in question. Thus, too, discoveries from the experimental side can be glossed over or expressed in terms which de-accentuate factors, or make them align with the language of relativity. Not always though. Take for example the work being done on quarks at Brookhaven National Lab for the last four years. In 1985, in the August issue of Science Digest, Page 12, it was noted that target protons 'were behaving like vortices--contradicting the theory that quarks spin independently of each other.' The physical evidence--combined with a quantum concept of the atom (clouds rather than billiard balls) lead directly to a 'new' mode of

approach, one which Carl Frederick Krafft enunciated brilliantly 30 years before. Yet Krisch, the physicist who lead the experiments at that time, may be the only one to intuit the significance. All the rest merely thought the accelerator needed to be more powerful! If the model doesn't work at first, force it... make it fit--this seems to be the extent to which people caught up in the relativity mode of thinking are determined in making the whole universe fit to form.

"One might paraphrase an old tale of a horse and rider: For want of a nail the shoe was lost, because of the shoe the horse was lost, the rider, the battle, the war was lost. All for the want of a diligent farrier. The rejected nail was the ether, the indiligent farrier was the experimental philosophers who fell for want of mathematical acumen. If Maxwell had lived a bit longer, I dare say that things would be much different today. Who knows where we'd be. Everything, art, economics, everything could have been affected by this one little nail."

R.C. Portland Oregon

Your view of the demise of the ether theories is a most profound insight that we've never heard before, but makes much sense once thought about. For those who are interested in the ether-vortex theory we have reprinted Krafft's works, including a series of articles which he wrote for Borderland's Round Robin newsletter in the 1950's. We also publish William Hamilton III's **Center of the Vortex** which covers various views of the ether. We also carry many works on etherial forces, a concept distinct but related. Write for our free catalog.

GAS SAVERS

"Enclosed is my check for renewal--keep that great info coming!

"I read with interest the Bulletin Board article last issue on making a super efficient carb for your car. For those of your readers who are not so mechanically inclined I want to inform them of a simple, maintenance free device that they can hook up to their fuel line (like an in-line fuel filter) that will increase MPG by 5-15%. I've installed them on my last three cars (Subaru 1800cc, Chrysler slant six, and Chevy V8) and have gotten anywhere from 6-10% increase in MPG, plus in the smaller displacement engines, a discernable increase in power. "They work so well I decided to market them along with the other items I carry in my line of New Energy Products. If any of your readers are interested I'll send them more information if they send me a 25 cent stamp."

Gary R. Zuckett
New Energy Products
660 Main St.,
Pullman, West Virginia 26421

Thanks for your renewal. We're glad you find Borderland useful. Gary has sent us a cassette lecture on "Magnetic Fields & Treatment of Fuel, Water, & Seeds"

by Les Adam, A-Z Industries, and a packet of data on controlled tests with the magnetic fuel saver.

If any of our readers have any data to share or experiences with magnetic fuel saving devices we'll be glad to run it in the Journal. The question of what the magnetism is doing to the fuel is most important.

RECEIVED

* **HarmonicOrb - Reflections of the Heart** by Edward Gardner & Walter Berg. Published by the NALTA Foundation, PO Box 3578, Boulder, Colorado 80307. The basis for this book is a device named the HarmonicOrb, a resonating, rare gas, capacitor-inductor, which is based on Dr. Gardner's research into the actions of rare (noble) gasses on the human body. The HarmonicOrb is a glass flask that has been specially coated on the interior with precious metals and then filled with rare gasses and sealed. This unit, when held near the body has the properties of producing visible thought forms and visible patterns from the interaction of the rare gasses with the human subtle energy fields--a true borderland device! While we at BSRF haven't seen this device working the information is straight forward and NALTA is working to make these devices available. Dr. Gardner has patented the HarmonicOrb™. But the book is about so much more than the HarmonicOrb as a device. It is a view into an open scientist's mind, a mind that gains new ideas in its search for knowledge. Gardner and Berg introduce what they call "The Nightside of Nature" which is the balance to the four "known" forces in physics. They tie this in with descriptions of the layers of subtle bodies surrounding and interpenetrating this physical one we notice the most. They have thought out their philosophy well and have woven a most interesting document. A longer review of this book is in preparation for a future JBR. The book is \$19.95 plus \$2.25 postage (CO residents add 7.1% sales tax). NALTA Foundation membership is \$25 for 12 issues of their newsletter. Send \$10 for a HarmonicOrb Information Packet with all the details on how to order an Orb that is custom designed for you. Very interesting advanced research.

* **THE HEALING TAO JOURNAL**, PO Box 1194 Huntington NY 11743. Issue #1 just in. Useful information on how to experience and control your inner vital energy known as chi. Many articles and exercise including: Tao and the Universe by Mantak Chia, Warming Current Energy, Five Element Nutrition, Western Psychology and the Healing Tao, and more. \$10 one year \$15 overseas, (2 issues/year).

* **WOULD YOU BELIEVE?** The Controversial Phenomena Magazine, Issue #29 from Armand Laprade HC 80, Box 156, Marshall, Arkansas, 72650. Single copy \$3.25, 4 for \$14, \$18/yr overseas airmail. A good mixture of historical and up to date insights into UFOs and other

extraordinary phenomena. Articles such as The Sky-watch Tower Case, Shapes over New England, Do Aliens Masquerade as Humans?, Unwanted Signals. One of the few magazines that still covers the *Shaver Mystery*.

* **PULSE OF THE PLANET** - Quarterly Research Report of the Orgone Biophysical Research Lab, PO Box 1395, El Cerrito CA 94530. (415) 526-5978. Vol. 1, No. 1, just in. Edited by James DeMeo. Quite a collection of data in the general vein of Dr. Wilhelm Reich's orgone researches. Major articles include: Recent Abnormal Phenomena on Earth and Atomic Power Tests; Response to Martin Gardner's Attack on Reich and Orgone Research in *The Skeptical Inquirer*; Postscript on the Food and Drug Administration's Evidence Against Wilhelm Reich; and, Cloudbusting, a New Approach to Drought. Regular departments include: Climate Features and Unusual Phenomena; Atomic Bomb Tests and Earthquake Data; Solar-Geomagnetic Data; Environmental Notes; Celestial Events Calendar; Planetary Clock; etc. If this first issue is any indication *PULSE* will turn out to be a primary source of good information for people who like to know what is really going on. Much of what Jim reports on should be on the nightly news--the maps, charts, graphs, data lists and such are well organized giving an overall view of recent planetary happenings, natural and man-made. Also reported on is a search of NASA photos for stars in space. None could be found which would indicate the reality of Reich's view that the visible star is caused by orgone illumination of the atmosphere. There is a letter concerning new evidence of fast radiation spread from atomic testing during Reich's ORANUR experiments, which would shed a whole new light on the potential causes for Reich's abnormally high background radiation readings. Notice is given of Jerome Eden's death from complications of DOR contamination received from use of an old-fashioned cloudbuster. Very interesting! \$40/year in US, 4 issues; \$50/yr surface foreign, \$75/air.

* **COSMO FERTILIZER** sent by Peter Lindemann. This is a homeopathic fertilizer developed by Bruce Copen to put the trace elements into the plant environment. It contains all of the cell salts, along with other beneficial substances in potentized form. Peter distributed it in the past and sent a bottle up to use in our garden. We're stirring 1 drop per gallon in our earthenware vortex jug and watering with it. We don't have any controls going so we don't know its exact effects. The garden is doing quite well, so it obviously isn't hurting. Peter's old sales brochure lists testimonials from users around the world who were amazed with the results. BSRF has about 100 bottles available for those who want to experiment with it. \$5/bottle, should make approximately 100 gallons. Add \$1 P&H per bottle up to the first three. Californians add 6% tax. One bottle should last the average small gardener well over a year.

* **MESSAGE OF THE CRYSTAL SKULL** - From *Atlantis to the New Age* by Alice Bryant & Phyllis Galde, published by Llewellyn Publications, PO Box 64383, St. Paul, MN 55164. An interesting book which includes data on forensic reconstruction of the crystal skull. This covers some of the data available in other books on the subject but contains new data and original insights. A good book if you are interested in this subject.

* **NOW WHAT #2**, from Waves Forest, PO Box 768, Monterey CA 93942. This is the newsletter of unauthorized information. This issue contains the following articles: Oxygen and the Future of Life on Earth; Fresh Water from the Sea: Electrogravitational Desalination; The Ultimate Soil Nutrient is Free: Seawater restores Trace Mineral Balance, Boosts Crop Yields and Pest Resistance; Overview of Solid-State Free Energy Devices by Mobius Rex; It's the 11th Hour: Do You Know Where Your Democracy Is? by Cyrano; and, Contacts & Sources of Unapproved News. Subscriptions are \$15 for four issues, or \$4 each. Foreign add \$2 more per issue.

* **ELF GENERATOR** from Klark Kent, Super Science, PO Box 392, Dayton OH 45409, (513) 298-7116. This is a really neat gadget. This is the first ELF generator that I've seen that has a digital readout. When you turn it on the small LCD screen reads "ELF Generator by Super Science" and then it automatically sets to 7.830 cps (cycles per second), the Schumann ionosphere resonance. The frequency range of this device is from 1 cps to 31.999 cps in increments of .001 cps. (Note: For some strange reason many people use the term Hertz [Hz] to designate cycles per second [cps], we use the term which makes sense to the average human.) The magnetic field is adjustable from 0 to 1/2 watt of radiated power. The coil is mounted in a clear plastic 1/2-egg shape on the top with a blinking LED. Klark has wrapped his flying saucer symbol around the coil, so in the dark with the blinking light this thing looks pretty far out. Klark supplies a list of claims made for ELF which include shielding from electromagnetic pollution; enhancing psychic ability, (the four brainwave states are in the 0-33 cps range!); and he provides a list of frequencies and suggestions for researching their effects. Klark has made another interesting tool available for researchers into energy effects on the body & mind. \$259pp.

* **SACRED STARS** Newsletter from Bodo Capeller, 10036 Keswick, Sun Valley, CA 91352. Bodo has been putting out this interesting newsletter for several years now. He covers such topics as the relationship between planetary alignments and activities on earth; dowsing earth grid lines; exploring possible sacred grid sites in Southern California; and more. An interesting view from an active researcher. Bodo is also a consultant for computerized astrological software as he has used many of the currently available programs. Send \$3 for sample.

CONTACTS

This is the section where researchers may contact those of like mind or seek out sources of information. We also list various mailers received. Please be kind and considerate and send a buck or two when writing for information.

* **ANDERSON RESEARCH FOUNDATION**, 5029 Echo St., Los Angeles, CA 90024, (213) 254-7169. Dr. L.O. "Andy" Anderson runs a continuing series of lectures, workshops and interesting happenings from his large living room. Coming events for the summer of 1989 include: Demonstration of Past and Future Lives (with audience volunteers) on July 7 and August 30; Experimental Channelling Meditation on July 16 and August 20th; Evening Devoted to Nikola Tesla with videos on July 27 and August 24; Update on Lymphology (How to Perform Physical Miracles) on August 23; and, Update on Polar Flip Data on August 31. Write or call for more info. Andy also sells many BSRF publications which can be purchased at his location. Andy has been with Borderland for around 40 years!

* **THE MARS PROJECT**, 2319 Grant Street #2, Berkeley, CA 94703. The purposes of the Mars Project are to conduct scientific investigation into anomalous objects visible in Viking images returned from Mars, conduct research into the additional 60,000 images returned by Viking, and sponsor scientific conferences, seminars, and other means of facilitating the maximum public participation in the exploration of space and the planet Mars. Membership includes The Martian Horizon newsletter (quarterly) and discounts on books, tapes & videos. Write for more info.

* **STONEHENGE VIEWPOINT**, 2821 De La Vina, Santa Barbara, CA 93105. We just received SV's latest catalog. It is an amazing collection of books on mysteries of the past, such as Stonehenge, the Great Pyramid, megalithic sites, ancient writings, archaeological anomalies, etc. They have also published "Waters Above the Firmament" by Isaac N. Vail, who postulated a theory, the 'Vailian Canopy Theory' that makes an inspired attempt to combine modern planetary astronomy with the record in Genesis. Vail predicted planetary rings in the late 19th century, and modern satellite photos show that he was correct. The basis of Vail's theory is that there once was a canopy of water surrounding the planet, which later flooded the surface as times changed. SV has been looking into ancient symbols to show that early civilizations existed during these times and integrated the concepts into their artwork. Bound back issues of SV's interesting newsletter are also available.

* **RADIONIC DEVICE FOR SALE**. Mark Gallert, N.D. radionic device. Perfect condition. 45 dial rate tuning bank, user tunable stick plate. Allows research

into direct treatment, light & color therapy, and standard radionic treatment. Best unit available for serious radionic practitioner or student. Complete unit, with all rate books and manual by Gallert. \$1485 complete. Private party. If interested contact Tom Brown, BSRF, for more information.

* **LINDSAY PUBLICATIONS**, PO Box 12, Bradley II 60915. We get several catalogs a year from these folks. The latest is their "Technical Books" listing. Lindsay has made many old 'how-to-do-it' books available and is to be commended for his efforts. There are books on Machining, Forging, Casting, Grinding, Mirror Making, Experimental Physics, Chemistry, Stained Glass, & Moonshine Making. Lindsay also has an Electrical catalog. A great source of data for researchers who want to build good equipment at a minimal cost.

* **BIO-DYNAMIC FARMING and GARDENING Ass**, PO Box 550, Kimberton PA, 19442 is holding its 51st Annual Conference & General Meeting August 4-6 1989 at Rudolf Steiner College, 9200 Fair Oaks Blvd. Fair Oaks, CA 95628. The theme is *SILICA IN AGRICULTURE*. Contact Harald Hoven (916) 965-0389. This is a high quality, low cost conference with info for beginner or experienced agricultural workers.

* **GLOBAL SCIENCES**, 3273 E 119th Pl, Thornton CO 80233, (303) 452-9300. Annual Congress is August 16-21, 1989 in Denver Colorado. A very wide range of speakers from health to UFOs and economics. Contact Dean Stonier at above address or number.

* **26th Annual NATIONAL UFO CONFERENCE** Sept 15-17, 1989, Quality Inn West, 2420 W. Thomas Road, Phoenix AZ. For information write Tim Beckley, NUFOC, Box 753, New Brunswick NJ 08903. Subject to be covered are: UFO Censorship; MJ-12 & Hanga 18: Fact or Fiction?; The Men In Black; UFOs & the Media; UFO Abductions; Animal Mutilations; Contactees vs 'Scientific' research; Looking at 40 years of the Contactee/New Age Movement; UFOs Around the World and more.

* **INNER-PEACE PROSPERITY NETWORK**, Two newsletters a year (January and July). Metaphysical articles concerning networking, healing, prophecy, UFO astrology, world and personal transformation, mysterious phenomena, survival, world and inner peace. Send \$2 for sample. \$4.00/yr (US & Canada); \$5.00 US/ (foreign). Patrick O'Connell, 12628 Black Saddle Lane, Germantown, MD 20874-5001.

** **STONE MEAL INFO**. After last issue's info on *Bread From Stones* we have received data from many Borderlanders concerning further sources of info on so remineralization. Our thanks for all the input, we didn't

realize how many of our members already knew about and were working with this aspect of agriculture. Here is a listing of some of those sources:

+ HAMAKER-WEAVER PUBLICATIONS, PO Box 1961, Burlingame CA 94010, (415) 342-0329. Distributes the book "The Survival of Civilization" which covers the scientific explanation of the coming Ice Age and how to help prevent it with soil remineralization using gravel dust. \$12 pp. Newsletter available. Write for details.

+ STONE FLOUR PRODUCTS, Route One, Horatio, Arkansas 71842. Source of New Earth™ Stone Flour Natural Soil Mineralizer, a gravel dust soil fertility restorer. Write for prices and shipping info. Also looking to set up local distributors to supply gravel dust. They are building mobile gravel crushers and will travel to interested people with sources of gravel.

+ U.S. SOIL, 7595 W. Hwy 50, Salida CO 81201, (800) 548-2560. Sells a unique form of rock dust called "Planters Trace Minerals." Write for prices and shipping information.

+ KEENE ENGINEERING, 9330 Corbin Ave, Northridge CA 91324. They market portable mining equipment, specifically--Model RC-46 rock crusher. 4-6" rocks crushed to 1/4" to powder them to ultrafine powder. \$4395.00

+ SOIL REMINERALIZATION - A Network Newsletter from Joanna Campe, 152 South Street, Northampton, Massachusetts, 01060. We have a copy of their Fall-Winter 1988 issue and there is a well co-ordinated mass of useful information contained within on the coming ice age, soil remineralization in various types of locations, news and sources on gravel grinders, ads and contact sources, and plenty of interesting reading. \$12/year US, \$15/year/foreign, for 3 or 4 issues.

+ SOLSTICE, 1110 E. Market, Suite 16E, Charlottesville, North Carolina 22901. A magazine of Perspectives on Health and the Environment. We have an issue from Jul-Aug 1987 which is on John Hamaker and Don Weaver's work on the coming Ice Age and how to stop it with soil mineralization. Also has info on growing with double pyramids. The pyramids are joined in a diamond shape and about 80% of the bottom one is buried in the ground. Photos show some very good results. \$14.95/yr for 6 issues.

+ EARTH REGENERATION SOCIETY, Alden Bryant, 470 Vassar Ave, Berkeley CA 94708. Involved in reforestation and remineralization projects. Publishes a newsletter.

+ ORGANIC FOOD MATTERS - The Journal of Sustainable Agriculture published by Committee for Sustainable Agriculture, PO Box 1300, Colfax CA 95713, (916) 346-2777. \$20 membership gets you a year of this interesting newspaper. We received Vol II, No I which

contains an article on Bob Cannard, "Stone Farmer of Sonoma County (CA)" who uses crushed gravel on his fields with great success. Many other diverse articles and features are included. Very informative publication.

+ Transform, Rejuvenate & Harmonize the Earth Now! Resource List from Shoshame, the planetary networking holistic information switchboard operator, Transformational Research, 227 Oxford St., #R2, Hartford CT 06105. Good list of resources. The name of the list says it all.

+ ACRES, USA, PO Box 9547, Kansas City, MO 64133, (816) 737-0064. Topflight newspaper covering many aspects of modern agriculture. Articles range from various organic methods, including BioDynamic techniques, crushed gravel remineralization, etc, to planetary magnetism, excellent advice on how to survive the political and monetary attacks on private farmers, H₂O₂ for field and animal, and much more. This paper is worth its weight in gold. \$15/yr. They also publish and supply books and cassettes and they hold conferences. Write for a free catalog and current information. Even non-farmers can benefit from the useful data in this publication.

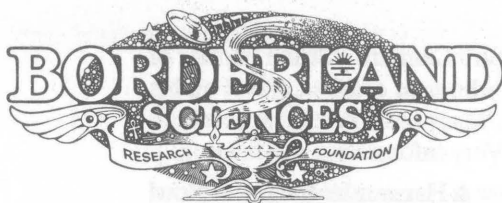
COSMIC WEATHER REPORT

Solar activity has been generally moderate with only a few moments of partial intensity. As we prepare this issue for press the 10.7cm (2800 MC) solar flux has jumped to a new high for Cycle 22, that of 327 sfu on 15 June 89. The space available this issue and the lack of outstanding events for the main reporting period did not warrant a full write-up. Next issue will have extensive coverage of the last several months with more heliocentric charts showing planetary positions during solar flaring. There have been no further large flares like the X15 of March 06, 1989. There has been major X class flaring (X1-X3 range). We have received further data on the X15/6MAR89 flare and the subsequent geomagnetic activity. The satellite sensors became saturated at X12 so the X15 classification is merely an estimate. It could have been much larger than estimated. We also have a photo of the auroral glow over North America during the severe geomagnetic storm of March 13, 1989. The special report from National Oceanic and Atmospheric Administration (NOAA) for that period is not yet available, and we will report further on this when it is in. The cosmos is stirring!

GENERAL NOTES

There was insufficient room for VIEW FROM THE BORDERLANDS in this issue, so that column will continue next issue. We receive much input that VIEW is the first item that many of our readers turn to first, so we like to keep it flowing.

Many thanks for all the input for this Journal!!!!!!!!!!!!



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MAGNETIC VITALITY RESEARCH REPORTS

VITIC - VITALITY FROM CARBON & MAGNETS by Meade Layne. Research project into the physiological effects of Carbon Rod in one hand and a Magnetic Field in the other. Based on data assembled by Brian Brown in "Dynamic Power of the Mind", from Nandor Fodor on Reichenbach and Odic Force, and excerpts from early Borderland publications on inducing increased vitality or nerve energy in the body, known only to secret priesthods of Egypt and Tibet. It was found that the rods held in the hands of ancient Egyptian statues are composed of Carbon and Lodestone. Added information by Count Walewski on Sun (Carbon) Rod and Moon (Magnetic) Rod from his book "Caucasian Yoga". 50 pages, \$5.00

A SYSTEM OF CAUCASIAN YOGA by Count Stefan Colonna Walewski. The Secret Teachings of the Masters of the Caucasus Mountains. The secrets of Gurdjieff's teachers—never before revealed—are set forth in the unique "Master System" of the secret Caucasian doctrines. This manuscript teaches one how to attain communion with the harmonious creative powers of the world and how to consciously join forces for the evolution toward immortal oneness. This teaches in successive stages the secrets of conscious breath control, how to directly contact the Sun and Moon energies, and how to establish the "Master Rhythm" in unison with the living earth. Well Illustrated, 130pp, staples. \$15.00

THE AMAZING SECRETS OF THE MASTERS OF THE FAR EAST by Victor Simon Perara. A practical manual on breath control and inner vitality as known and used by the sages of the Orient. Laid out in easy, step by step instructions so that you can begin using these principles today. This book is oriented toward practice rather than theory. It covers the changing flows of the nostrils, the extraction of Vitality from the atmosphere, Deep Breathing, Rhythmic Breathing, Concentration, the Polarities of the Human Body. 55 pp. \$7.50

EASY STRETCHING POSTURES - For Vitality & Beauty by Randolph Stone. Based on the natural position of the body during the period of gestation for most favorable results in maintaining and repairing Energy Current Flow, the Primal Factor in Health and Beauty. Contents: Latent Energy Fields in the Body; Bodily Health Movements; Purpose of the Postures and Why They Work; The House We Live In; Posture as a Field; The Airy Principle as a Triune Function in the Body; Digestion as the Fire in a Boiler; Health Postures; Youth Posture for Balance and Elasticity; Youthfulness as Physical and Spiritual Health; Self-Help Series for Special Conditions; Energy Currents Control the Structure. 52pp, saddle. \$5.00

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